

Cyto 3D7 Acetylated Peptides

This summary contains acetylated results from the LCMS analysis of cytosolic extracts from Plasmodium Falciparum 3D7. Chromatography and mass spectrometer instrument conditions as well as protein database search conditions are reported.

The digested protein samples were injected onto an Eksigent two dimensional liquid chromatography system (nano2DLC) coupled to a Thermo Finnigan LTQ mass spectrometer. Each sample was separated by strong cation exchange salt steps followed by reversed phase separation and electrospray ionization where mass detection was followed by mass fragmentation which reveals peptide sequence information.

LCMS Conditions

Eksigent 2DnanoLC

Loading Pump Conditions:

Solvent: A: 0.5% Formic Acid in 95:5 Water: Ethanol

B: 400mM Ammonium Formate (pH 3.5) in 95:5 Water: Ethanol

Flow rate: 7 μ L/min, 2 minute steps at:

1%, 2%, 4%, 7%, 10%, 20%, 30%, 50%, 80%, 98% and a 10 μ L injection of 1M KCl

Gradient Pump Conditions:

Solvent A: Water with 0.1% Formic acid

Solvent B: 50:50 Acetonitrile:Ethanol with 0.1% Formic acid

Flow rate: 500nL/min

RP loading trap: Agilent Zorbax 300SB C8, 300A pore, 5 μ m particle

Column: 0.075mm x 120mm, Magic C18, 300A pore, 5 μ m particle

Gradient

10-35%B from 1 to 60 minutes

Ramp for 5 minutes to 95%B and hold for 5 minutes

Thermo Finnigan LTQ Conditions

Data Dependant Triple Play, Top 5, 75 minutes (start delay of 1 minutes)

Dynamic exclusion enabled; 1 repeat, 60 seconds, list of 300 exclusion, 2m/z window

Full MS: 400 to 2000 m/z, centroid

Zoom Scan: 3000NL minimum, 5m/z window, +1 charge rejection

MSMS: CID, 3000NL minimum, 2.0m/z isolation, wideband activation

Protein Database Result conditions:

Sequest search of P.falciparum 3D7 database (with reversed database)

Modifications searched are:

K, R acetylation (+42 dalton)

M, methylation (+14 dalton)

C carboxyamidomethylation (+57 dalton)

Results filtered by peptide probability (1 e-3), Rank of Preliminary Score (1) and Percent Ions (20)

Acetylated peptide sequences were manually verified.

Acetylation = *

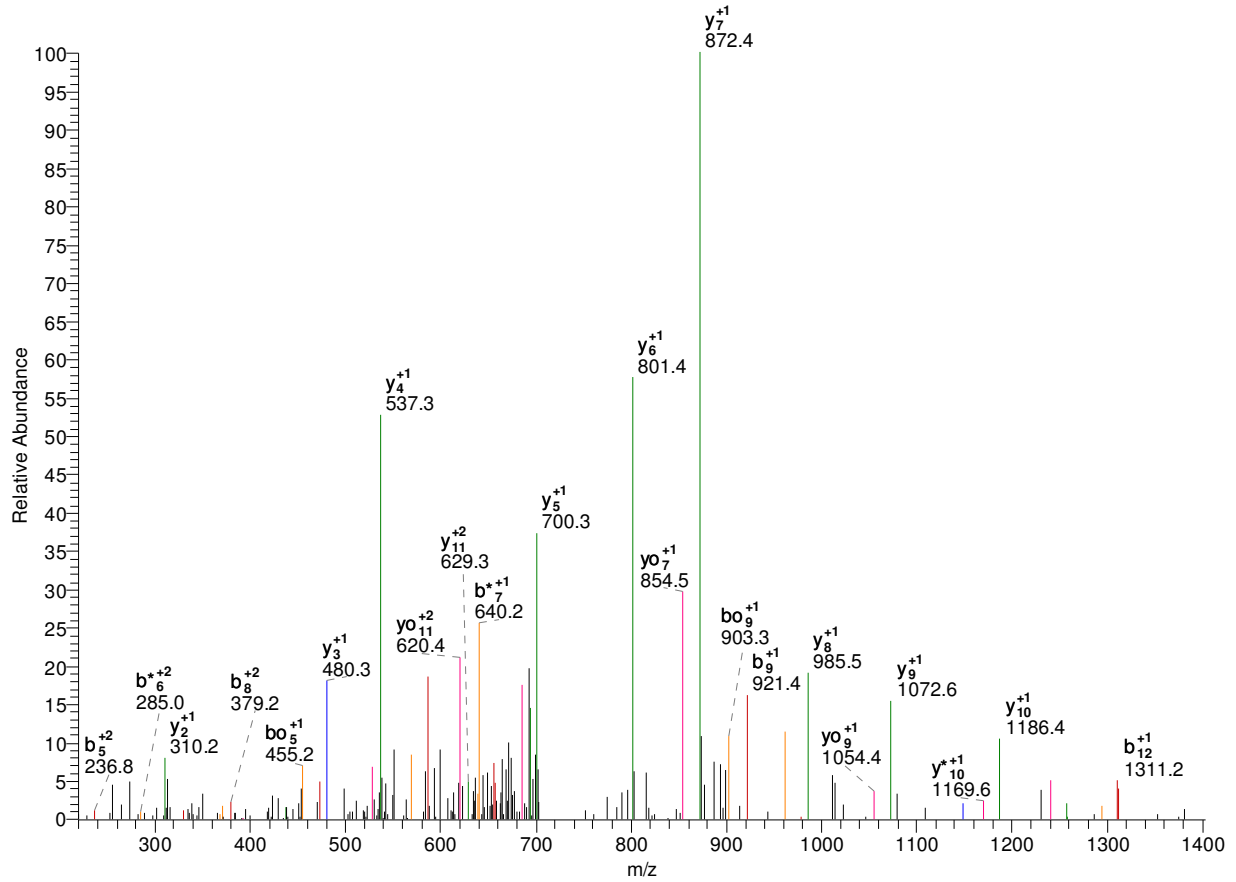
Methylation = #

Carboxyamidomethylation = @

1457.73 R.AEANSLATYGK*YK.G

psulPF14_0425 | organism=Plasmodium_falciparum_3D7 | product=fructose-bisphosphate aldolase | locat
337 - 350

#2067-2067 NL: 1.08E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	13
2	E	201.09	184.06	183.08	1386.69	1369.66	1368.68	12
3	A	272.12	255.10	254.11	1257.65	1240.62	1239.64	11
4	N	386.17	369.14	368.16	1186.61	1169.58	1168.60	10
5	S	473.20	456.17	455.19	1072.57	1055.54	1054.56	9
6	L	586.28	569.26	568.27	985.54	968.51	967.52	8
7	A	657.32	640.29	639.31	872.45	855.42	854.44	7
8	T	758.37	741.34	740.36	801.41	784.39	783.40	6
9	Y	921.43	904.40	903.42	700.37	683.34	682.36	5
10	G	978.45	961.43	960.44	537.30	520.28	519.29	4
11	K*	1148.56	1131.53	1130.55	480.28	463.26	462.27	3
12	Y	1311.62	1294.60	1293.61	310.18	293.15	292.17	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	13
2	E	101.05	92.53	92.04	693.85	685.34	684.84	12
3	A	136.57	128.05	127.56	629.33	620.81	620.32	11
4	N	193.59	185.07	184.58	593.81	585.30	584.80	10
5	S	237.10	228.59	228.10	536.79	528.27	527.78	9
6	L	293.65	285.13	284.64	493.27	484.76	484.27	8

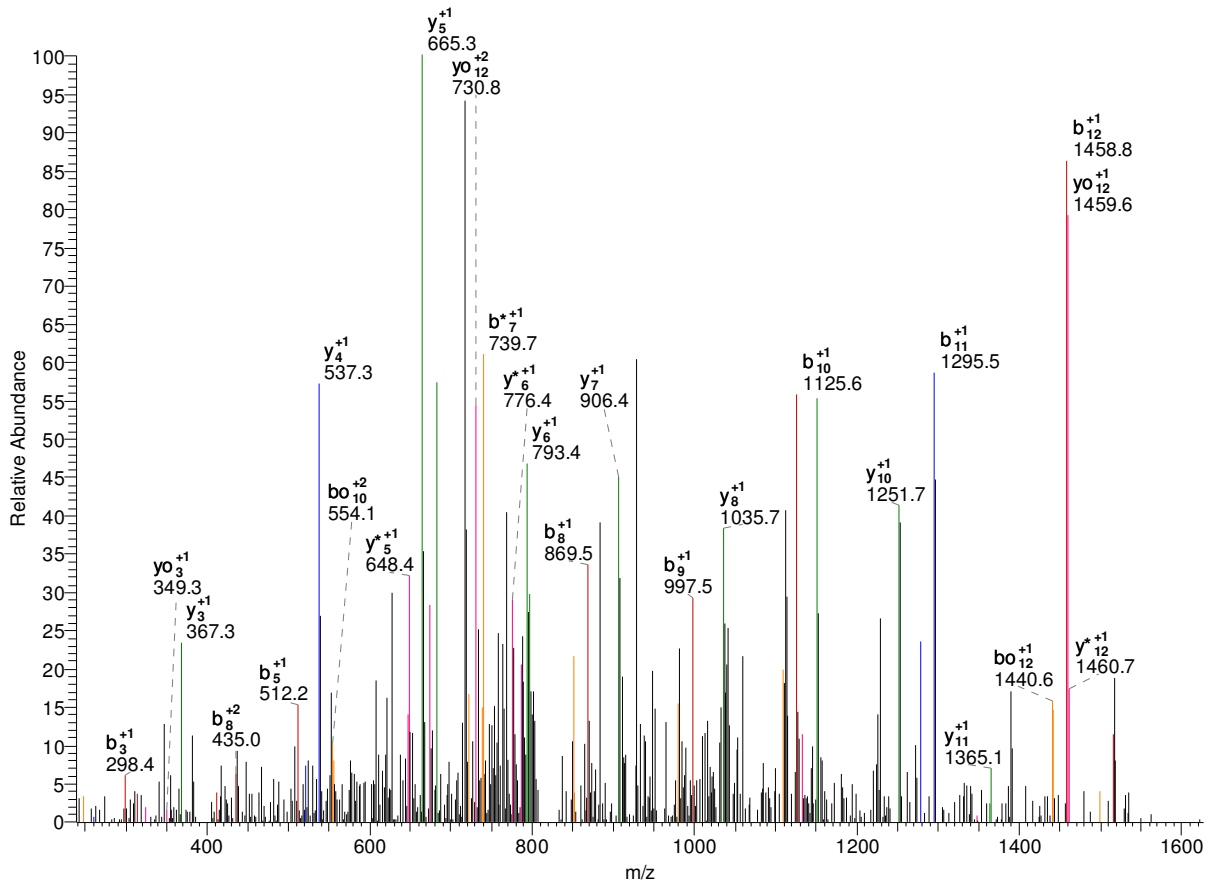
7	A	329.16	320.65	320.16	436.73	428.22	427.72	7
8	T	379.69	371.17	370.68	401.21	392.70	392.21	6
9	Y	461.22	452.71	452.21	350.69	342.17	341.68	5
10	G	489.73	481.22	480.72	269.16	260.64	260.15	4
11	K*	574.78	566.27	565.78	240.64	232.13	231.64	3
12	Y	656.31	647.80	647.31	155.59	147.08	146.59	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1661.91 K.AILLTDELQK*YGK.K

psuPFL1720w | organism=Plasmodium_falciparum_3D7 | product=Serine hydroxymethyltransferase |
 locat 396 - 410

#6678-6678 NL: 1.03E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	14
2	I	185.13	168.10	167.12	1590.87	1573.85	1572.86	13
3	L	298.21	281.19	280.20	1477.79	1460.76	1459.78	12
4	L	411.30	394.27	393.29	1364.71	1347.68	1346.70	11
5	T	512.34	495.32	494.33	1251.62	1234.60	1233.61	10
6	D	627.37	610.34	609.36	1150.57	1133.55	1132.56	9
7	E	756.41	739.39	738.40	1035.55	1018.52	1017.54	8
8	L	869.50	852.47	851.49	906.50	889.48	888.49	7
9	Q	997.56	980.53	979.55	793.42	776.39	775.41	6
10	Q	1125.62	1108.59	1107.60	665.36	648.34	647.35	5
11	K*	1295.72	1278.69	1277.71	537.30	520.28	519.29	4
12	Y	1458.78	1441.76	1440.77	367.20	350.17	349.19	3
13	G	1515.81	1498.78	1497.79	204.13	187.11	186.12	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	14
2	I	93.07	84.55	84.06	795.94	787.43	786.94	13
3	L	149.61	141.10	140.60	739.40	730.89	730.39	12
4	L	206.15	197.64	197.15	682.86	674.34	673.85	11
5	T	256.68	248.16	247.67	626.31	617.80	617.31	10

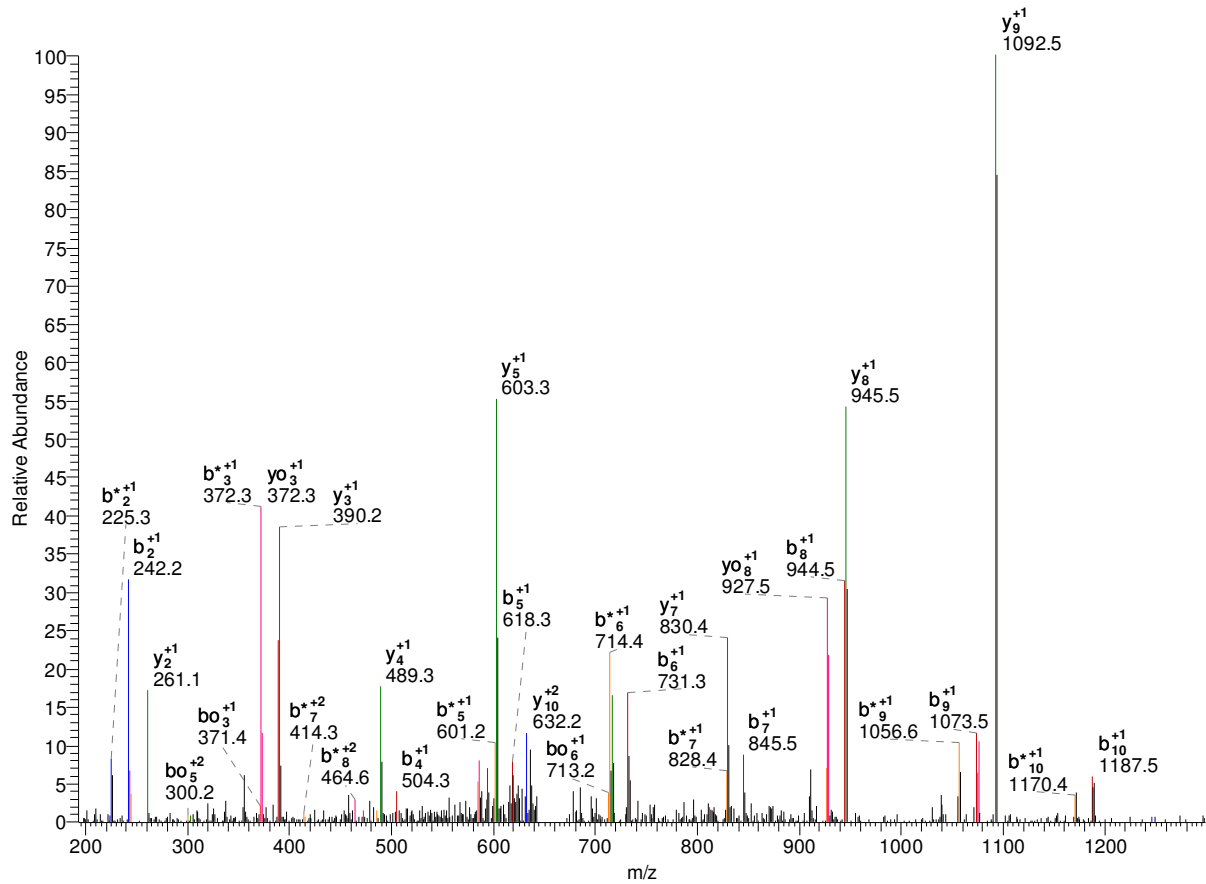
6	D	314.19	305.68	305.18	575.79	567.28	566.79	9
7	E	378.71	370.20	369.71	518.28	509.76	509.27	8
8	L	435.25	426.74	426.25	453.76	445.24	444.75	7
9	Q	499.28	490.77	490.28	397.21	388.70	388.21	6
10	Q	563.31	554.80	554.31	333.18	324.67	324.18	5
11	K*	648.36	639.85	639.36	269.16	260.64	260.15	4
12	Y	729.90	721.38	720.89	184.10	175.59	175.10	3
13	G	758.41	749.89	749.40	102.57	94.06	93.57	2
14	K	-	-	-	74.06	65.55	65.05	1

-

1333.67 K.AK*FDNLNVENK.N

psulPFL1170w | organism=Plasmodium_falciparum_3D7 | product=polyadenylate-binding protein, putative 433 - 444

#3219-3219 NL: 7.50E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	11
2	K*	242.15	225.12	224.14	1262.64	1245.61	1244.63	10
3	F	389.22	372.19	371.21	1092.53	1075.51	1074.52	9
4	D	504.25	487.22	486.23	945.46	928.44	927.45	8
5	N	618.29	601.26	600.28	830.44	813.41	812.43	7
6	L	731.37	714.35	713.36	716.39	699.37	698.38	6
7	N	845.42	828.39	827.40	603.31	586.28	585.30	5
8	V	944.48	927.46	926.47	489.27	472.24	471.26	4
9	E	1073.53	1056.50	1055.52	390.20	373.17	372.19	3
10	N	1187.57	1170.54	1169.56	261.16	244.13	243.15	2
11	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	11
2	K*	121.58	113.07	112.57	631.82	623.31	622.82	10
3	F	195.11	186.60	186.11	546.77	538.26	537.76	9
4	D	252.63	244.11	243.62	473.24	464.72	464.23	8
5	N	309.65	301.13	300.64	415.72	407.21	406.72	7
6	L	366.19	357.68	357.18	358.70	350.19	349.70	6
7	N	423.21	414.70	414.21	302.16	293.65	293.15	5
8	V	472.75	464.23	463.74	245.14	236.62	236.13	4

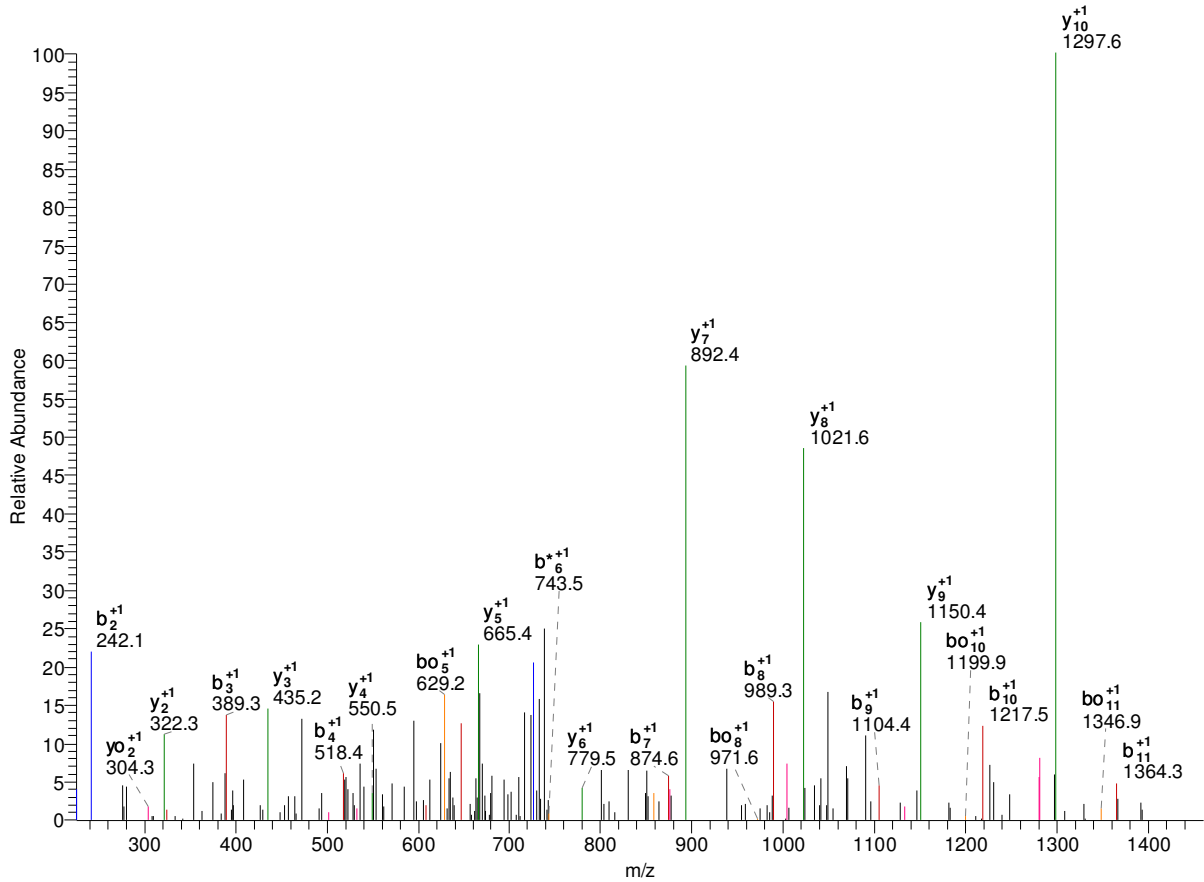
9	E	537.27	528.75	528.26	195.60	187.09	186.60	3
10	N	594.29	585.77	585.28	131.08	122.57	122.08	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1538.75 R.AK*FEELNDDLFR.E

psulPFI0875w | organism=Plasmodium_falciparum_3D7 | product=Heat shock protein | location=MAL9:7379 321 - 333

#5917-5917 NL: 6.12E1



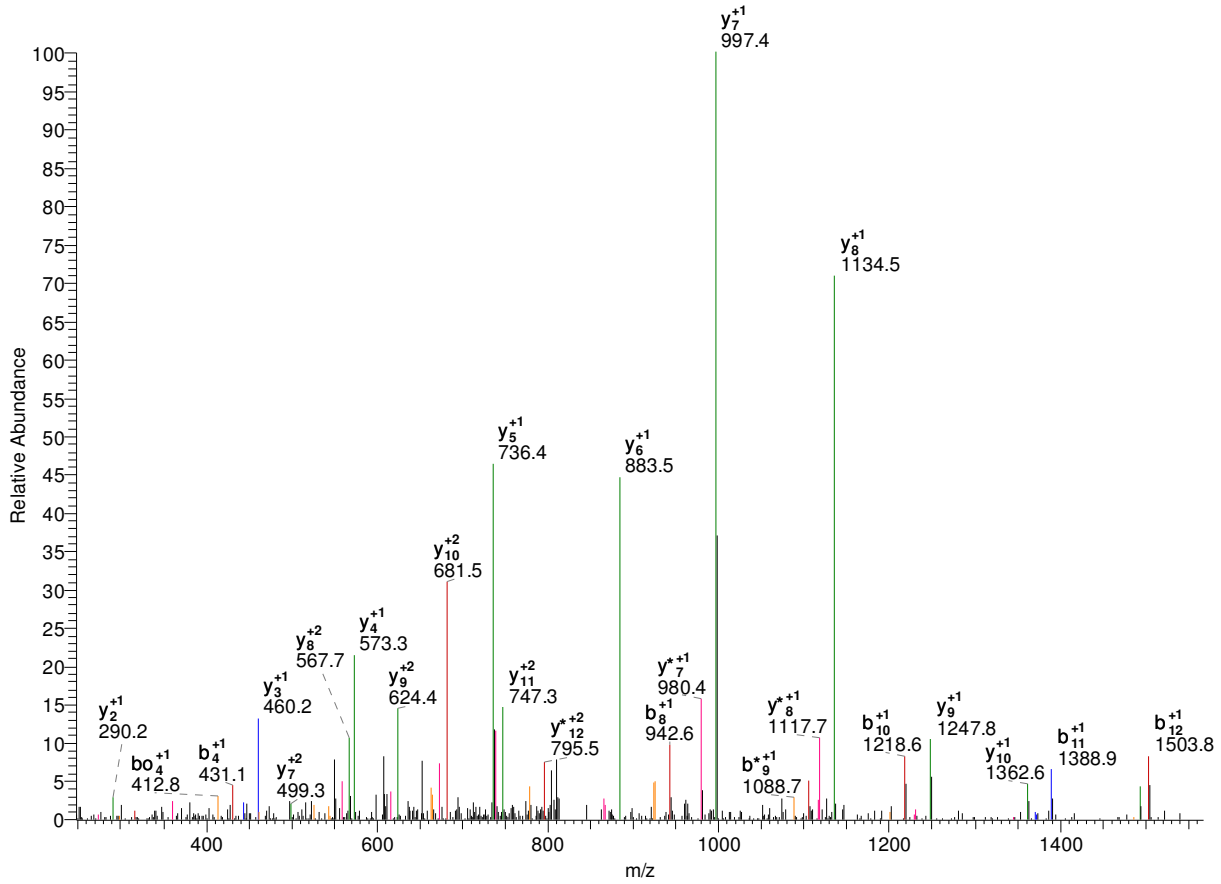
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	12
2	K*	242.15	225.12	224.14	1467.71	1450.68	1449.70	11
3	F	389.22	372.19	371.21	1297.61	1280.58	1279.60	10
4	E	518.26	501.23	500.25	1150.54	1133.51	1132.53	9
5	E	647.30	630.28	629.29	1021.49	1004.47	1003.48	8
6	L	760.39	743.36	742.38	892.45	875.43	874.44	7
7	N	874.43	857.40	856.42	779.37	762.34	761.36	6
8	D	989.46	972.43	971.45	665.33	648.30	647.31	5
9	D	1104.48	1087.46	1086.47	550.30	533.27	532.29	4
10	L	1217.57	1200.54	1199.56	435.27	418.24	417.26	3
11	F	1364.64	1347.61	1346.63	322.19	305.16	304.18	2
12	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	12
2	K*	121.58	113.07	112.57	734.36	725.85	725.35	11
3	F	195.11	186.60	186.11	649.31	640.79	640.30	10
4	E	259.63	251.12	250.63	575.77	567.26	566.77	9
5	E	324.16	315.64	315.15	511.25	502.74	502.25	8
6	L	380.70	372.18	371.69	446.73	438.22	437.72	7
7	N	437.72	429.21	428.71	390.19	381.67	381.18	6

8	D	495.23	486.72	486.23	333.17	324.65	324.16	5
9	D	552.75	544.23	543.74	275.65	267.14	266.65	4
10	L	609.29	600.77	600.28	218.14	209.63	209.13	3
11	F	682.82	674.31	673.82	161.60	153.08	152.59	2
12	R	-	-	-	88.06	79.55	79.06	1

-

1677.84 K.ALMDLHNFYLK*DR.Y psuPFF0320c | organism=Plasmodium_falciparum_3D7 |
 product=polypyrimidine tract binding protein, p638 - 651
 #6754-6754 NL: 5.42E2



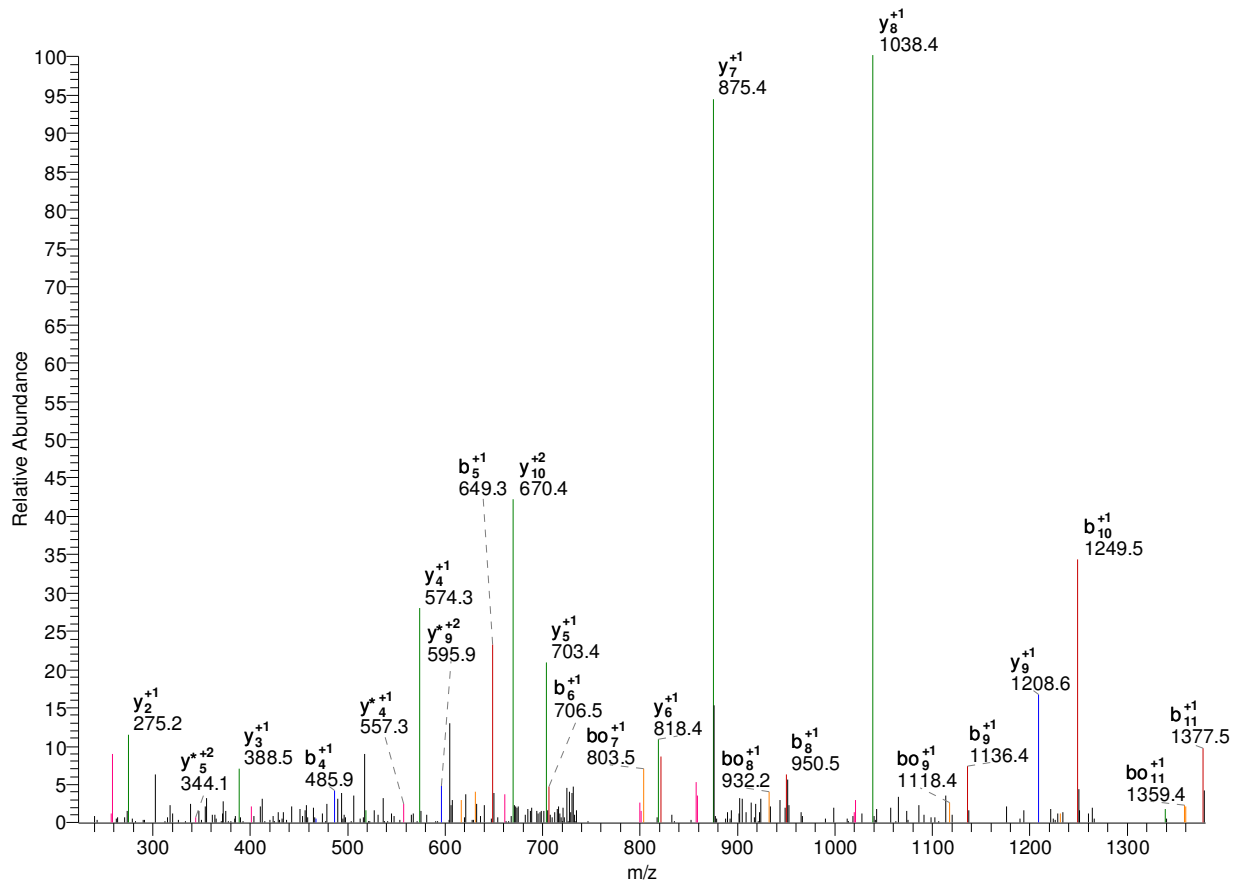
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	13
2	L	185.13	168.10	167.12	1606.80	1589.78	1588.79	12
3	M	316.17	299.14	298.16	1493.72	1476.69	1475.71	11
4	D	431.20	414.17	413.19	1362.68	1345.65	1344.67	10
5	L	544.28	527.25	526.27	1247.65	1230.63	1229.64	9
6	H	681.34	664.31	663.33	1134.57	1117.54	1116.56	8
7	N	795.38	778.36	777.37	997.51	980.48	979.50	7
8	F	942.45	925.42	924.44	883.47	866.44	865.46	6
9	Y	1105.51	1088.49	1087.50	736.40	719.37	718.39	5
10	L	1218.60	1201.57	1200.59	573.34	556.31	555.32	4
11	K*	1388.70	1371.68	1370.69	460.25	443.22	442.24	3
12	D	1503.73	1486.70	1485.72	290.15	273.12	272.14	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	13
2	L	93.07	84.55	84.06	803.91	795.39	794.90	12
3	M	158.59	150.07	149.58	747.36	738.85	738.36	11
4	D	216.10	207.59	207.10	681.84	673.33	672.84	10
5	L	272.64	264.13	263.64	624.33	615.82	615.32	9
6	H	341.17	332.66	332.17	567.79	559.27	558.78	8
7	N	398.19	389.68	389.19	499.26	490.75	490.25	7

8	F	471.73	463.22	462.72	442.24	433.72	433.23	6
9	Y	553.26	544.75	544.26	368.70	360.19	359.70	5
10	L	609.80	601.29	600.80	287.17	278.66	278.17	4
11	K*	694.86	686.34	685.85	230.63	222.12	221.62	3
12	D	752.37	743.86	743.36	145.58	137.06	136.57	2
13	R	-	-	-	88.06	79.55	79.06	1

-

1523.76 R.ALMK*YGDEWIQK.Y
 psu|PF1350c | organism=Plasmodium_falciparum_3D7 | product=acetyl-coenzyme a
 synthetase | location 654 - 666
 #4064-4064 NL:2.29E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	12
2	L	185.13	168.10	167.12	1452.72	1435.69	1434.71	11
3	M	316.17	299.14	298.16	1339.64	1322.61	1321.62	10
4	K*	486.27	469.25	468.26	1208.59	1191.57	1190.58	9
5	Y	649.34	632.31	631.33	1038.49	1021.46	1020.48	8
6	G	706.36	689.33	688.35	875.43	858.40	857.42	7
7	D	821.39	804.36	803.38	818.40	801.38	800.39	6
8	E	950.43	933.40	932.42	703.38	686.35	685.37	5
9	W	1136.51	1119.48	1118.50	574.33	557.31	556.32	4
10	I	1249.59	1232.57	1231.58	388.26	371.23	370.24	3
11	Q	1377.65	1360.62	1359.64	275.17	258.14	257.16	2
12	K	-	-	-	147.11	130.09	129.10	1

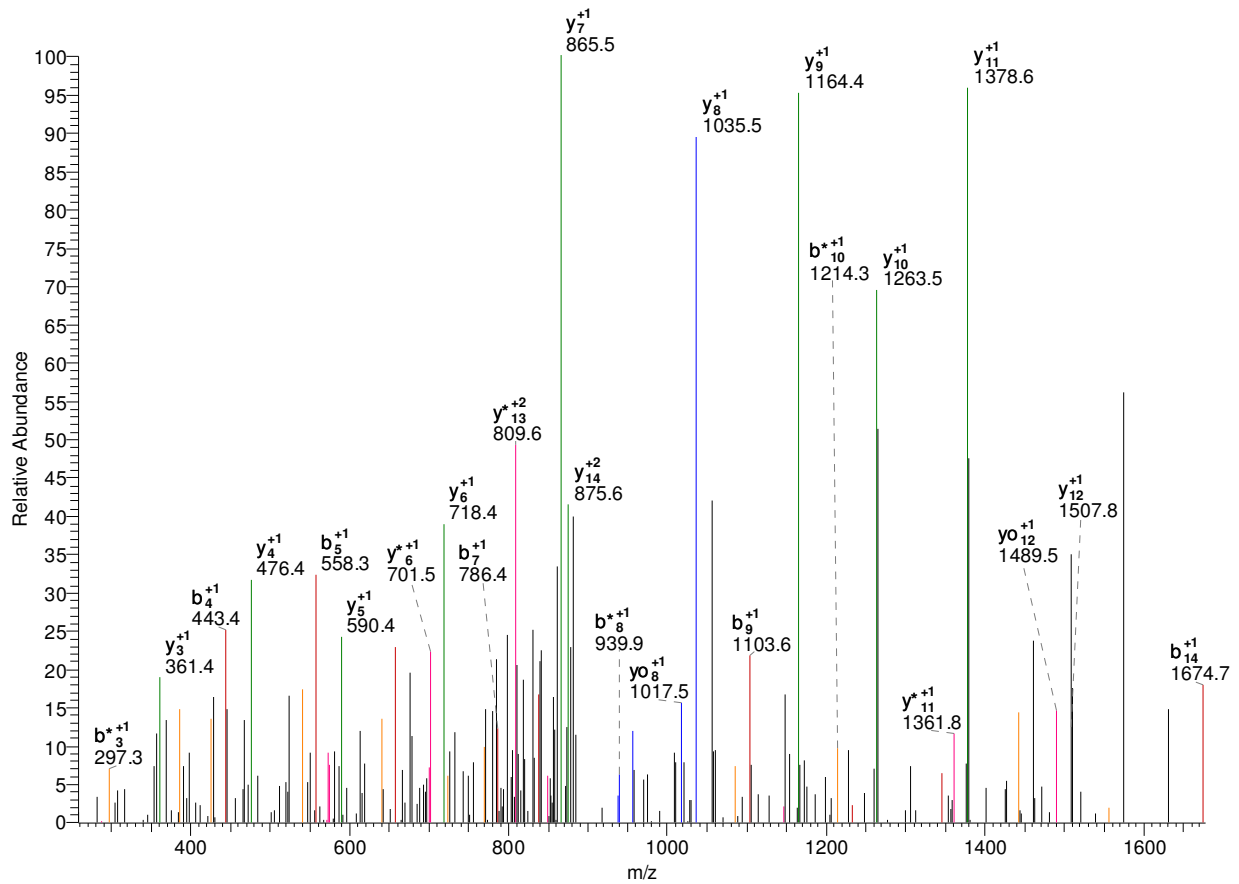
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	12
2	L	93.07	84.55	84.06	726.86	718.35	717.86	11
3	M	158.59	150.07	149.58	670.32	661.81	661.32	10
4	K*	243.64	235.13	234.64	604.80	596.29	595.80	9
5	Y	325.17	316.66	316.17	519.75	511.23	510.74	8
6	G	353.68	345.17	344.68	438.22	429.70	429.21	7

7	D	411.20	402.68	402.19	409.71	401.19	400.70	6
8	E	475.72	467.20	466.71	352.19	343.68	343.19	5
9	W	568.76	560.24	559.75	287.67	279.16	278.67	4
10	I	625.30	616.79	616.29	194.63	186.12	185.63	3
11	Q	689.33	680.82	680.32	138.09	129.58	129.08	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1820.90 K.ANKEDVEK*FQNDLTK.L
 psu|PF11105w | organism=Plasmodium_falciparum_3D7 | product=Phosphoglycerate kinase |
 location=MAL9140 - 155
 #3092-3092 NL: 3.69E1



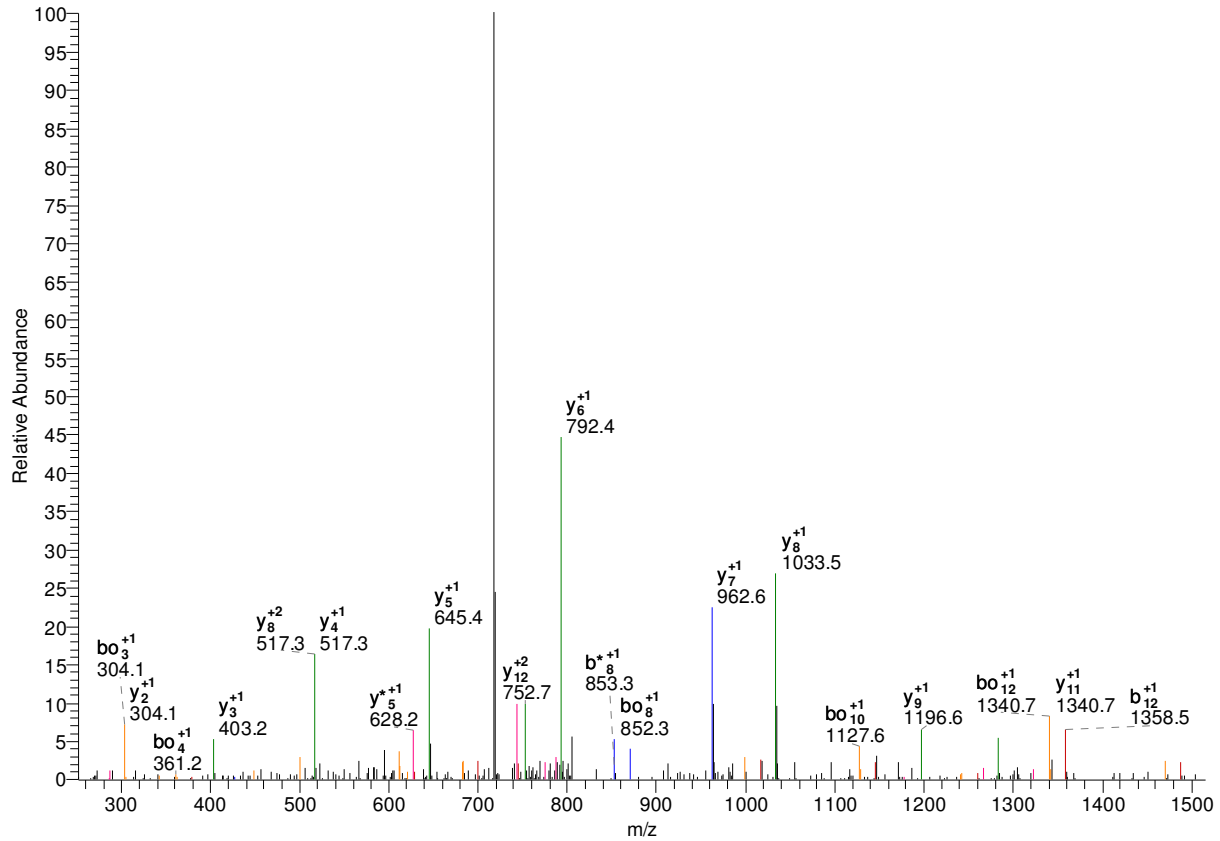
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	15
2	N	186.09	169.06	168.08	1749.87	1732.84	1731.85	14
3	K	314.18	297.16	296.17	1635.82	1618.80	1617.81	13
4	E	443.22	426.20	425.21	1507.73	1490.70	1489.72	12
5	D	558.25	541.23	540.24	1378.68	1361.66	1360.67	11
6	V	657.32	640.29	639.31	1263.66	1246.63	1245.65	10
7	E	786.36	769.34	768.35	1164.59	1147.56	1146.58	9
8	K*	956.47	939.44	938.46	1035.55	1018.52	1017.54	8
9	F	1103.54	1086.51	1085.53	865.44	848.41	847.43	7
10	Q	1231.60	1214.57	1213.58	718.37	701.35	700.36	6
11	N	1345.64	1328.61	1327.63	590.31	573.29	572.30	5
12	D	1460.67	1443.64	1442.65	476.27	459.24	458.26	4
13	L	1573.75	1556.72	1555.74	361.24	344.22	343.23	3
14	T	1674.80	1657.77	1656.79	248.16	231.13	230.15	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	15
2	N	93.55	85.03	84.54	875.44	866.92	866.43	14
3	K	157.59	149.08	148.59	818.41	809.90	809.41	13
4	E	222.12	213.60	213.11	754.37	745.85	745.36	12

5	D	279.63	271.12	270.62	689.85	681.33	680.84	11
6	V	329.16	320.65	320.16	632.33	623.82	623.33	10
7	E	393.69	385.17	384.68	582.80	574.29	573.79	9
8	K*	478.74	470.22	469.73	518.28	509.76	509.27	8
9	F	552.27	543.76	543.27	433.22	424.71	424.22	7
10	Q	616.30	607.79	607.30	359.69	351.18	350.68	6
11	N	673.32	664.81	664.32	295.66	287.15	286.66	5
12	D	730.84	722.32	721.83	238.64	230.13	229.63	4
13	L	787.38	778.87	778.37	181.13	172.61	172.12	3
14	T	837.90	829.39	828.90	124.58	116.07	115.58	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1661.79 K.ASYGSYAK*FQNVER.I
 psu|MAL8P1.142 | organism=Plasmodium_falciparum_3D7 | product=proteasome beta-subunit
 | location=MA28 - 42
 #2867-2867 NL: 4.17E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	14
2	S	159.08	142.05	141.07	1590.75	1573.73	1572.74	13
3	Y	322.14	305.11	304.13	1503.72	1486.70	1485.71	12
4	G	379.16	362.13	361.15	1340.66	1323.63	1322.65	11
5	S	466.19	449.17	448.18	1283.64	1266.61	1265.63	10
6	Y	629.26	612.23	611.25	1196.61	1179.58	1178.60	9
7	A	700.29	683.27	682.28	1033.54	1016.52	1015.53	8
8	K*	870.40	853.37	852.39	962.51	945.48	944.49	7
9	F	1017.47	1000.44	999.46	792.40	775.37	774.39	6
10	Q	1145.53	1128.50	1127.52	645.33	628.30	627.32	5
11	N	1259.57	1242.54	1241.56	517.27	500.25	499.26	4
12	V	1358.64	1341.61	1340.63	403.23	386.20	385.22	3
13	E	1487.68	1470.65	1469.67	304.16	287.13	286.15	2
14	R	-	-	-	175.12	158.09	157.11	1

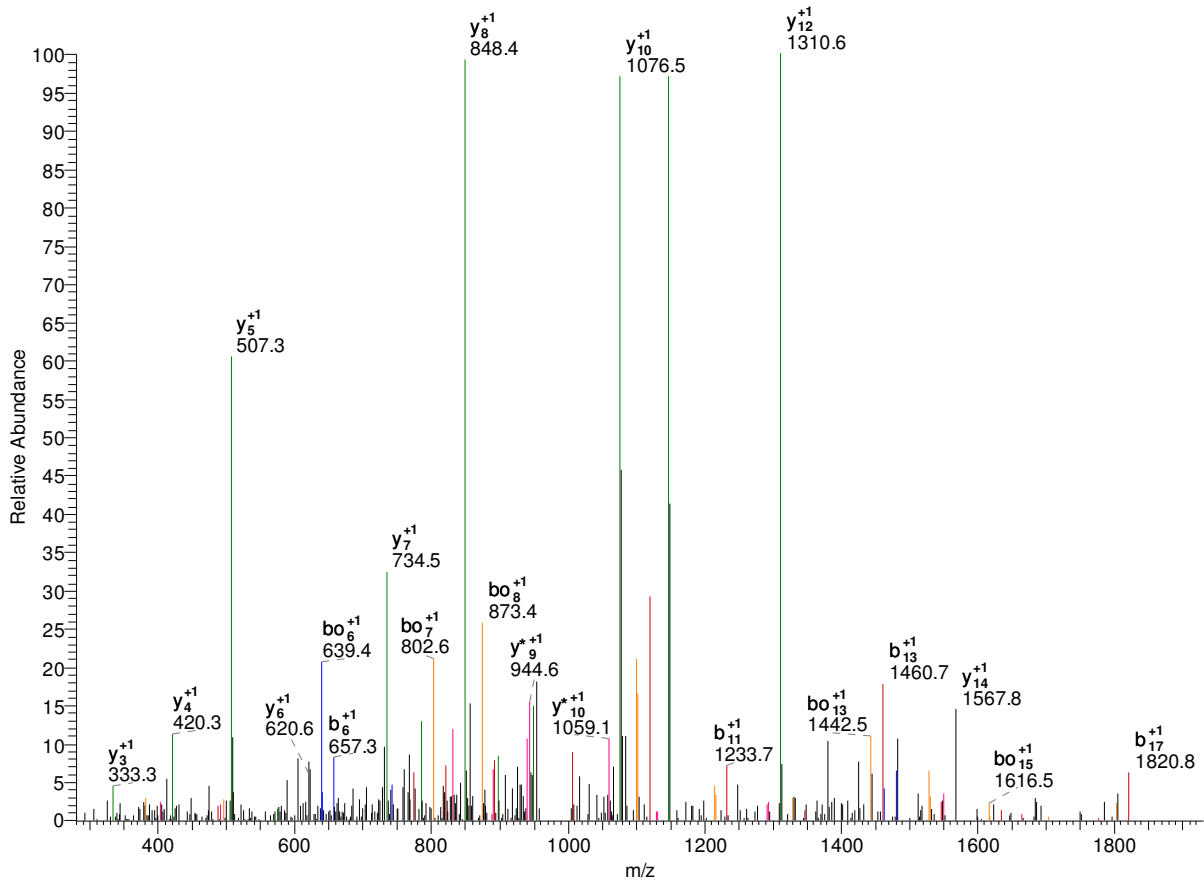
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	14
2	S	80.04	71.53	71.04	795.88	787.37	786.88	13
3	Y	161.57	153.06	152.57	752.36	743.85	743.36	12
4	G	190.08	181.57	181.08	670.83	662.32	661.83	11
5	S	233.60	225.09	224.59	642.32	633.81	633.32	10

6	Y	315.13	306.62	306.13	598.81	590.29	589.80	9
7	A	350.65	342.14	341.65	517.27	508.76	508.27	8
8	K*	435.70	427.19	426.70	481.76	473.24	472.75	7
9	F	509.24	500.72	500.23	396.70	388.19	387.70	6
10	Q	573.27	564.75	564.26	323.17	314.66	314.16	5
11	N	630.29	621.77	621.28	259.14	250.63	250.13	4
12	V	679.82	671.31	670.82	202.12	193.61	193.11	3
13	E	744.34	735.83	735.34	152.58	144.07	143.58	2
14	R	-	-	-	88.06	79.55	79.06	1

—

1967.01 R.ATLNSK*YADINNISSVK.A
 psu|PF14_0439 | organism=Plasmodium_falci-parum_3D7 | product=leucine aminopeptidase,
 putative | loc 534 - 552
 #4589-4589 NL: 1.93E2



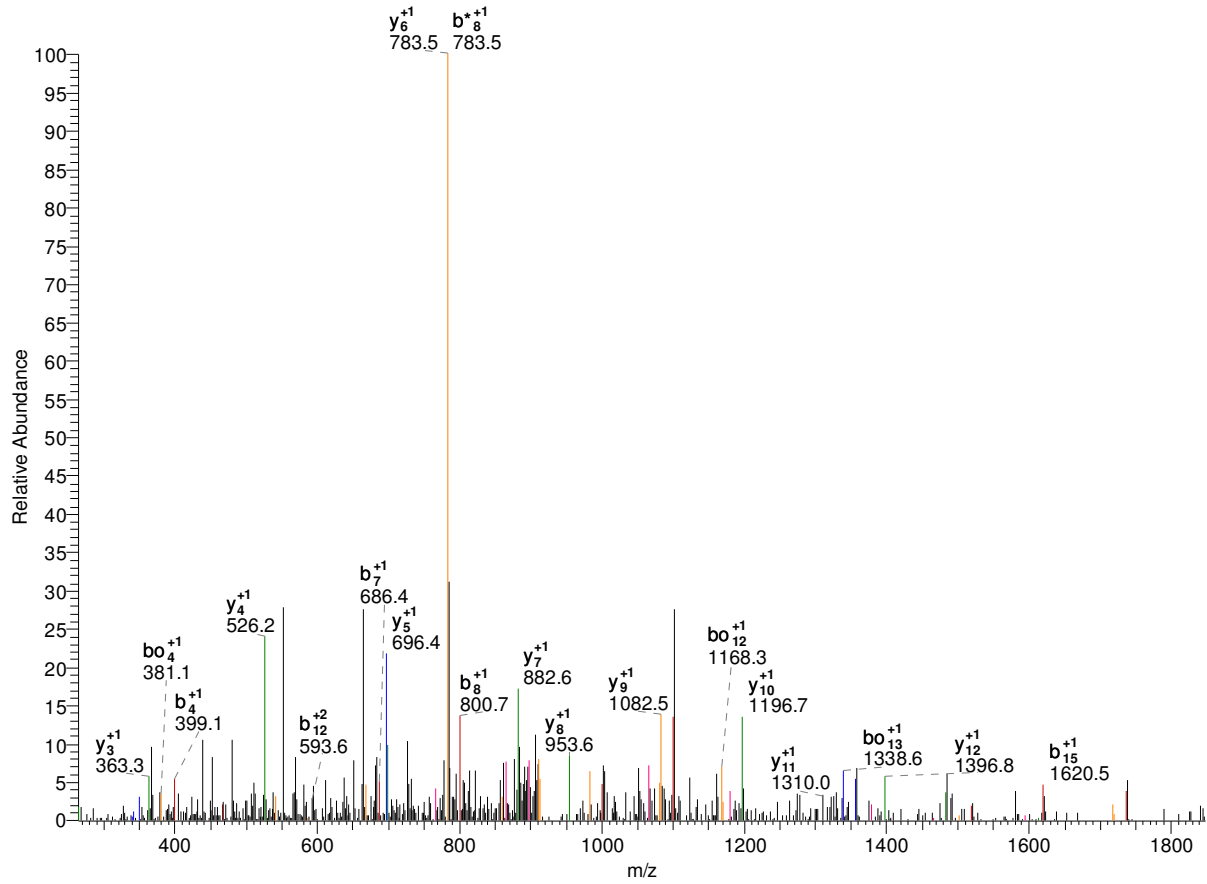
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	18
2	T	173.09	156.07	155.08	1895.97	1878.94	1877.96	17
3	L	286.18	269.15	268.17	1794.92	1777.90	1776.91	16
4	N	400.22	383.19	382.21	1681.84	1664.81	1663.83	15
5	S	487.25	470.22	469.24	1567.80	1550.77	1549.79	14
6	K*	657.36	640.33	639.35	1480.76	1463.74	1462.75	13
7	Y	820.42	803.39	802.41	1310.66	1293.63	1292.65	12
8	A	891.46	874.43	873.45	1147.60	1130.57	1129.58	11
9	D	1006.48	989.46	988.47	1076.56	1059.53	1058.55	10
10	I	1119.57	1102.54	1101.56	961.53	944.50	943.52	9
11	N	1233.61	1216.58	1215.60	848.45	831.42	830.44	8
12	N	1347.65	1330.63	1329.64	734.40	717.38	716.39	7
13	I	1460.74	1443.71	1442.73	620.36	603.33	602.35	6
14	S	1547.77	1530.74	1529.76	507.28	490.25	489.27	5
15	S	1634.80	1617.78	1616.79	420.25	403.22	402.23	4
16	S	1721.83	1704.81	1703.82	333.21	316.19	315.20	3
17	V	1820.90	1803.88	1802.89	246.18	229.15	228.17	2
18	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	18

2	T	87.05	78.54	78.04	948.49	939.98	939.48	17
3	L	143.59	135.08	134.59	897.97	889.45	888.96	16
4	N	200.61	192.10	191.61	841.42	832.91	832.42	15
5	S	244.13	235.62	235.12	784.40	775.89	775.40	14
6	K*	329.18	320.67	320.18	740.89	732.37	731.88	13
7	Y	410.71	402.20	401.71	655.83	647.32	646.83	12
8	A	446.23	437.72	437.23	574.30	565.79	565.30	11
9	D	503.75	495.23	494.74	538.78	530.27	529.78	10
10	I	560.29	551.77	551.28	481.27	472.76	472.26	9
11	N	617.31	608.80	608.30	424.73	416.21	415.72	8
12	N	674.33	665.82	665.33	367.71	359.19	358.70	7
13	I	730.87	722.36	721.87	310.68	302.17	301.68	6
14	S	774.39	765.88	765.38	254.14	245.63	245.14	5
15	S	817.90	809.39	808.90	210.63	202.11	201.62	4
16	S	861.42	852.91	852.42	167.11	158.60	158.10	3
17	V	910.95	902.44	901.95	123.59	115.08	114.59	2
18	K	-	-	-	74.06	65.55	65.05	1

1881.94 K.AVVESSLNEAVSK*YTDK.L
 psu|PF11670c | organism=Plasmodium_falciparum_3D7 | product=vacuolar ATP synthase subunit E, putati 127 - 144
 #6039-6039 NL:2.61E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	17
2	V	171.11	154.09	153.10	1810.91	1793.88	1792.90	16
3	V	270.18	253.15	252.17	1711.84	1694.81	1693.83	15
4	E	399.22	382.20	381.21	1612.77	1595.74	1594.76	14
5	S	486.26	469.23	468.25	1483.73	1466.70	1465.72	13
6	S	573.29	556.26	555.28	1396.70	1379.67	1378.68	12
7	L	686.37	669.35	668.36	1309.66	1292.64	1291.65	11
8	N	800.41	783.39	782.40	1196.58	1179.55	1178.57	10
9	E	929.46	912.43	911.45	1082.54	1065.51	1064.53	9
10	A	1000.49	983.47	982.48	953.49	936.47	935.48	8
11	V	1099.56	1082.54	1081.55	882.46	865.43	864.45	7
12	S	1186.60	1169.57	1168.58	783.39	766.36	765.38	6
13	K*	1356.70	1339.67	1338.69	696.36	679.33	678.35	5
14	Y	1519.76	1502.74	1501.75	526.25	509.22	508.24	4
15	T	1620.81	1603.78	1602.80	363.19	346.16	345.18	3
16	D	1735.84	1718.81	1717.83	262.14	245.11	244.13	2
17	K	-	-	-	147.11	130.09	129.10	1

-

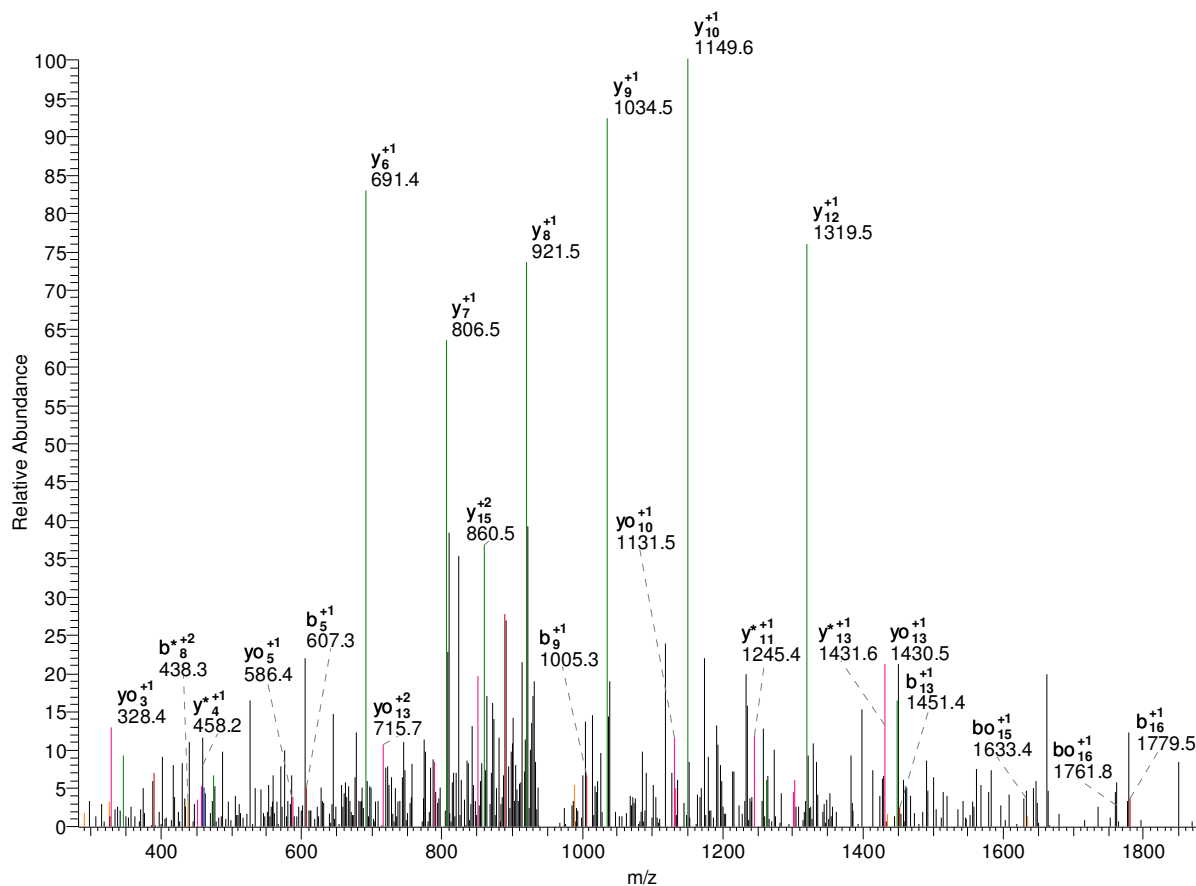
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	17

2	V	86.06	77.55	77.05	905.96	897.44	896.95	16
3	V	135.59	127.08	126.59	856.42	847.91	847.42	15
4	E	200.12	191.60	191.11	806.89	798.38	797.88	14
5	S	243.63	235.12	234.63	742.37	733.85	733.36	13
6	S	287.15	278.63	278.14	698.85	690.34	689.85	12
7	L	343.69	335.18	334.68	655.34	646.82	646.33	11
8	N	400.71	392.20	391.71	598.79	590.28	589.79	10
9	E	465.23	456.72	456.23	541.77	533.26	532.77	9
10	A	500.75	492.24	491.75	477.25	468.74	468.25	8
11	V	550.29	541.77	541.28	441.73	433.22	432.73	7
12	S	593.80	585.29	584.80	392.20	383.68	383.19	6
13	K*	678.85	670.34	669.85	348.68	340.17	339.68	5
14	Y	760.39	751.87	751.38	263.63	255.12	254.62	4
15	T	810.91	802.40	801.90	182.10	173.58	173.09	3
16	D	868.42	859.91	859.42	131.57	123.06	122.57	2
17	K	-	-	-	74.06	65.55	65.05	1

—

1925.85 K.CCTK*EGLDIDDSEEAKK.D psu|PF07_0029 | organism=Plasmodium_falci-parum_3D7 | product=heat shock protein 86 | location=MAL7: 561 - 578

#3137-3137 NL:8.63E1



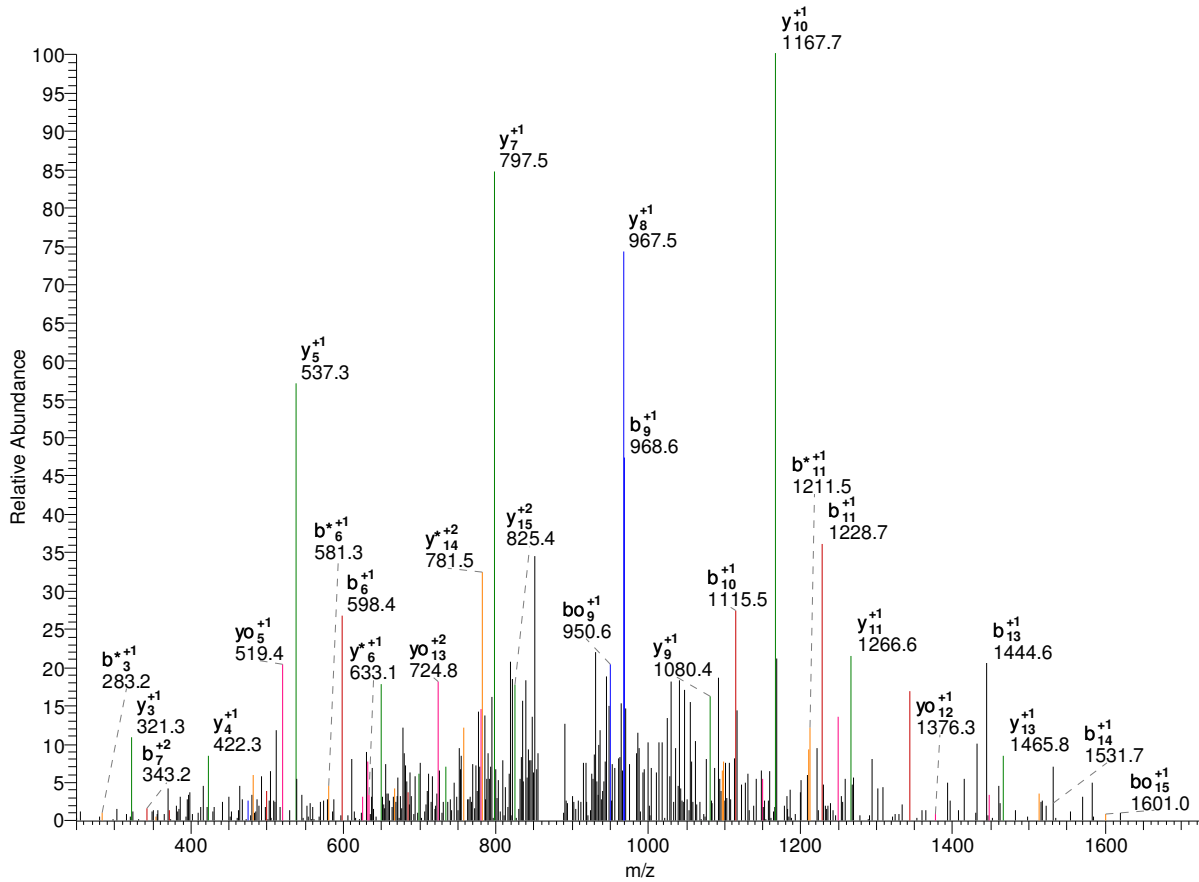
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	C	104.02	86.99	86.01	-	-	-	17
2	C	207.03	190.00	189.02	1822.84	1805.81	1804.83	16
3	T	308.07	291.05	290.06	1719.83	1702.80	1701.82	15
4	K*	478.18	461.15	460.17	1618.78	1601.75	1600.77	14
5	E	607.22	590.19	589.21	1448.68	1431.65	1430.66	13
6	G	664.24	647.22	646.23	1319.63	1302.61	1301.62	12
7	L	777.33	760.30	759.32	1262.61	1245.58	1244.60	11
8	D	892.35	875.33	874.34	1149.53	1132.50	1131.52	10
9	I	1005.44	988.41	987.43	1034.50	1017.47	1016.49	9
10	D	1120.46	1103.44	1102.45	921.42	904.39	903.41	8
11	D	1235.49	1218.47	1217.48	806.39	789.36	788.38	7
12	S	1322.52	1305.50	1304.51	691.36	674.34	673.35	6
13	E	1451.57	1434.54	1433.56	604.33	587.30	586.32	5
14	E	1580.61	1563.58	1562.60	475.29	458.26	457.28	4
15	A	1651.65	1634.62	1633.64	346.24	329.22	328.23	3
16	K	1779.74	1762.71	1761.73	275.21	258.18	257.20	2
17	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	C	52.51	44.00	43.51	-	-	-	17
2	C	104.02	95.50	95.01	911.92	903.41	902.92	16
3	T	154.54	146.03	145.54	860.42	851.90	851.41	15

4	K*	239.59	231.08	230.59	809.89	801.38	800.89	14
5	E	304.11	295.60	295.11	724.84	716.33	715.84	13
6	G	332.63	324.11	323.62	660.32	651.81	651.31	12
7	L	389.17	380.65	380.16	631.81	623.30	622.80	11
8	D	446.68	438.17	437.68	575.27	566.75	566.26	10
9	I	503.22	494.71	494.22	517.75	509.24	508.75	9
10	D	560.74	552.22	551.73	461.21	452.70	452.21	8
11	D	618.25	609.74	609.24	403.70	395.18	394.69	7
12	S	661.77	653.25	652.76	346.18	337.67	337.18	6
13	E	726.29	717.77	717.28	302.67	294.16	293.66	5
14	E	790.81	782.29	781.80	238.15	229.63	229.14	4
15	A	826.33	817.81	817.32	173.63	165.11	164.62	3
16	K	890.37	881.86	881.37	138.11	129.59	129.10	2
17	K	-	-	-	74.06	65.55	65.05	1

-

1764.94 R.DALAQVSLK*FIDTSSK.I
 psu|PF10_0272 | organism=Plasmodium_falciparum_3D7 | product=ribosomal protein L3,
 putative | locat 345 - 361
 #8867-8867 NL: 1.26E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	16
2	A	187.07	170.04	169.06	1649.91	1632.88	1631.90	15
3	L	300.16	283.13	282.14	1578.87	1561.85	1560.86	14
4	A	371.19	354.17	353.18	1465.79	1448.76	1447.78	13
5	Q	499.25	482.22	481.24	1394.75	1377.73	1376.74	12
6	V	598.32	581.29	580.31	1266.69	1249.67	1248.68	11
7	S	685.35	668.32	667.34	1167.63	1150.60	1149.62	10
8	L	798.44	781.41	780.43	1080.59	1063.57	1062.58	9
9	K*	968.54	951.51	950.53	967.51	950.48	949.50	8
10	F	1115.61	1098.58	1097.60	797.40	780.38	779.39	7
11	I	1228.69	1211.67	1210.68	650.34	633.31	632.32	6
12	D	1343.72	1326.69	1325.71	537.25	520.22	519.24	5
13	T	1444.77	1427.74	1426.76	422.22	405.20	404.21	4
14	S	1531.80	1514.77	1513.79	321.18	304.15	303.17	3
15	S	1618.83	1601.81	1600.82	234.14	217.12	216.13	2
16	K	-	-	-	147.11	130.09	129.10	1

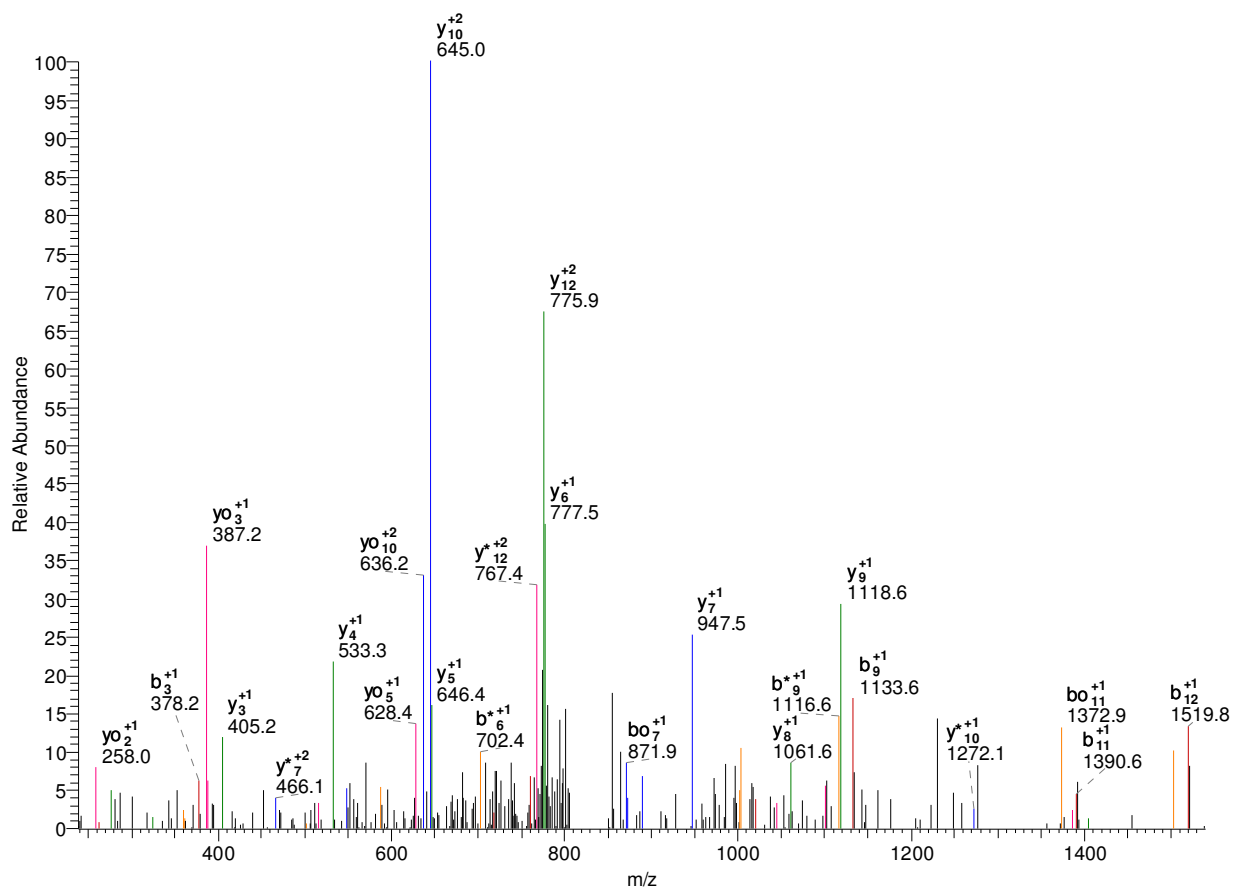
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	16
2	A	94.04	85.53	85.03	825.46	816.95	816.45	15
3	L	150.58	142.07	141.58	789.94	781.43	780.94	14

4	A	186.10	177.59	177.09	733.40	724.89	724.39	13
5	Q	250.13	241.62	241.12	697.88	689.37	688.87	12
6	V	299.66	291.15	290.66	633.85	625.34	624.85	11
7	S	343.18	334.67	334.17	584.32	575.80	575.31	10
8	L	399.72	391.21	390.72	540.80	532.29	531.80	9
9	K*	484.77	476.26	475.77	484.26	475.75	475.25	8
10	F	558.31	549.80	549.30	399.21	390.69	390.20	7
11	I	614.85	606.34	605.85	325.67	317.16	316.67	6
12	D	672.36	663.85	663.36	269.13	260.62	260.12	5
13	T	722.89	714.37	713.88	211.62	203.10	202.61	4
14	S	766.40	757.89	757.40	161.09	152.58	152.09	3
15	S	809.92	801.41	800.91	117.58	109.06	108.57	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1665.82 K.DFDK*GNK*MIKEEK.I psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 2072 - 2085

#2271-2271 NL:9.29E1



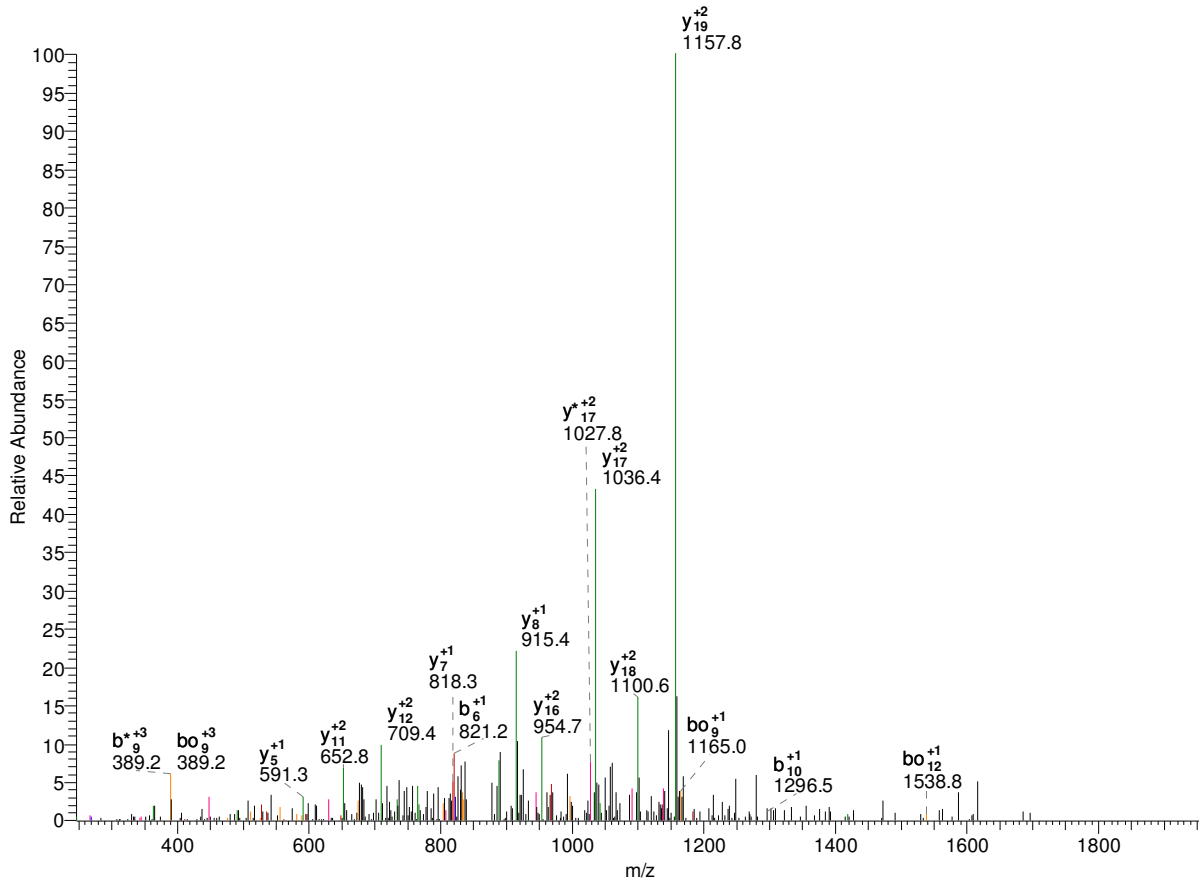
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	13
2	F	263.10	246.08	245.09	1550.79	1533.76	1532.78	12
3	D	378.13	361.10	360.12	1403.72	1386.69	1385.71	11
4	K*	548.24	531.21	530.22	1288.69	1271.67	1270.68	10
5	G	605.26	588.23	587.25	1118.59	1101.56	1100.58	9
6	N	719.30	702.27	701.29	1061.57	1044.54	1043.56	8
7	K*	889.41	872.38	871.39	947.52	930.50	929.51	7
8	M	1020.45	1003.42	1002.43	777.42	760.39	759.41	6
9	I	1133.53	1116.50	1115.52	646.38	629.35	628.37	5
10	K	1261.62	1244.60	1243.61	533.29	516.27	515.28	4
11	E	1390.67	1373.64	1372.66	405.20	388.17	387.19	3
12	E	1519.71	1502.68	1501.70	276.16	259.13	258.14	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	13
2	F	132.05	123.54	123.05	775.90	767.38	766.89	12
3	D	189.57	181.06	180.56	702.36	693.85	693.36	11
4	K*	274.62	266.11	265.62	644.85	636.34	635.84	10
5	G	303.13	294.62	294.13	559.80	551.28	550.79	9
6	N	360.15	351.64	351.15	531.29	522.77	522.28	8
7	K*	445.21	436.69	436.20	474.27	465.75	465.26	7
8	M	510.73	502.21	501.72	389.21	380.70	380.21	6

9	I	567.27	558.76	558.26	323.69	315.18	314.69	5
10	K	631.32	622.80	622.31	267.15	258.64	258.14	4
11	E	695.84	687.32	686.83	203.10	194.59	194.10	3
12	E	760.36	751.85	751.35	138.58	130.07	129.58	2
13	K	-	-	-	74.06	65.55	65.05	1

-

2599.29 K.DK*NEYEFTLNFLKPINVEESK.Y
 psu|PF14_0510 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 43 - 64
 #9414-9414 NL: 1.99E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	21
2	K*	286.14	269.11	268.13	2484.27	2467.24	2466.26	20
3	N	400.18	383.16	382.17	2314.16	2297.13	2296.15	19
4	E	529.23	512.20	511.21	2200.12	2183.09	2182.11	18
5	Y	692.29	675.26	674.28	2071.07	2054.05	2053.06	17
6	E	821.33	804.30	803.32	1908.01	1890.98	1890.00	16
7	F	968.40	951.37	950.39	1778.97	1761.94	1760.96	15
8	T	1069.45	1052.42	1051.44	1631.90	1614.87	1613.89	14
9	L	1182.53	1165.50	1164.52	1530.85	1513.83	1512.84	13
10	N	1296.57	1279.55	1278.56	1417.77	1400.74	1399.76	12
11	F	1443.64	1426.62	1425.63	1303.73	1286.70	1285.72	11
12	L	1556.73	1539.70	1538.72	1156.66	1139.63	1138.65	10
13	K	1684.82	1667.80	1666.81	1043.57	1026.55	1025.56	9
14	P	1781.87	1764.85	1763.86	915.48	898.45	897.47	8
15	I	1894.96	1877.93	1876.95	818.43	801.40	800.41	7
16	N	2009.00	1991.97	1990.99	705.34	688.31	687.33	6
17	V	2108.07	2091.04	2090.06	591.30	574.27	573.29	5
18	E	2237.11	2220.09	2219.10	492.23	475.20	474.22	4
19	E	2366.16	2349.13	2348.14	363.19	346.16	345.18	3
20	S	2453.19	2436.16	2435.18	234.14	217.12	216.13	2
21	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	21
2	K*	143.57	135.06	134.57	1242.64	1234.12	1233.63	20
3	N	200.59	192.08	191.59	1157.58	1149.07	1148.58	19
4	E	265.12	256.60	256.11	1100.56	1092.05	1091.56	18
5	Y	346.65	338.13	337.64	1036.04	1027.53	1027.04	17
6	E	411.17	402.66	402.16	954.51	946.00	945.50	16
7	F	484.70	476.19	475.70	889.99	881.47	880.98	15
8	T	535.23	526.71	526.22	816.45	807.94	807.45	14
9	L	591.77	583.26	582.76	765.93	757.42	756.92	13
10	N	648.79	640.28	639.79	709.39	700.87	700.38	12
11	F	722.32	713.81	713.32	652.37	643.85	643.36	11
12	L	778.87	770.35	769.86	578.83	570.32	569.83	10
13	K	842.91	834.40	833.91	522.29	513.78	513.28	9
14	P	891.44	882.93	882.44	458.24	449.73	449.24	8
15	I	947.98	939.47	938.98	409.72	401.20	400.71	7
16	N	1005.00	996.49	996.00	353.17	344.66	344.17	6
17	V	1054.54	1046.03	1045.53	296.15	287.64	287.15	5
18	E	1119.06	1110.55	1110.05	246.62	238.11	237.61	4
19	E	1183.58	1175.07	1174.58	182.10	173.58	173.09	3
20	S	1227.10	1218.58	1218.09	117.58	109.06	108.57	2
21	K	-	-	-	74.06	65.55	65.05	1

-

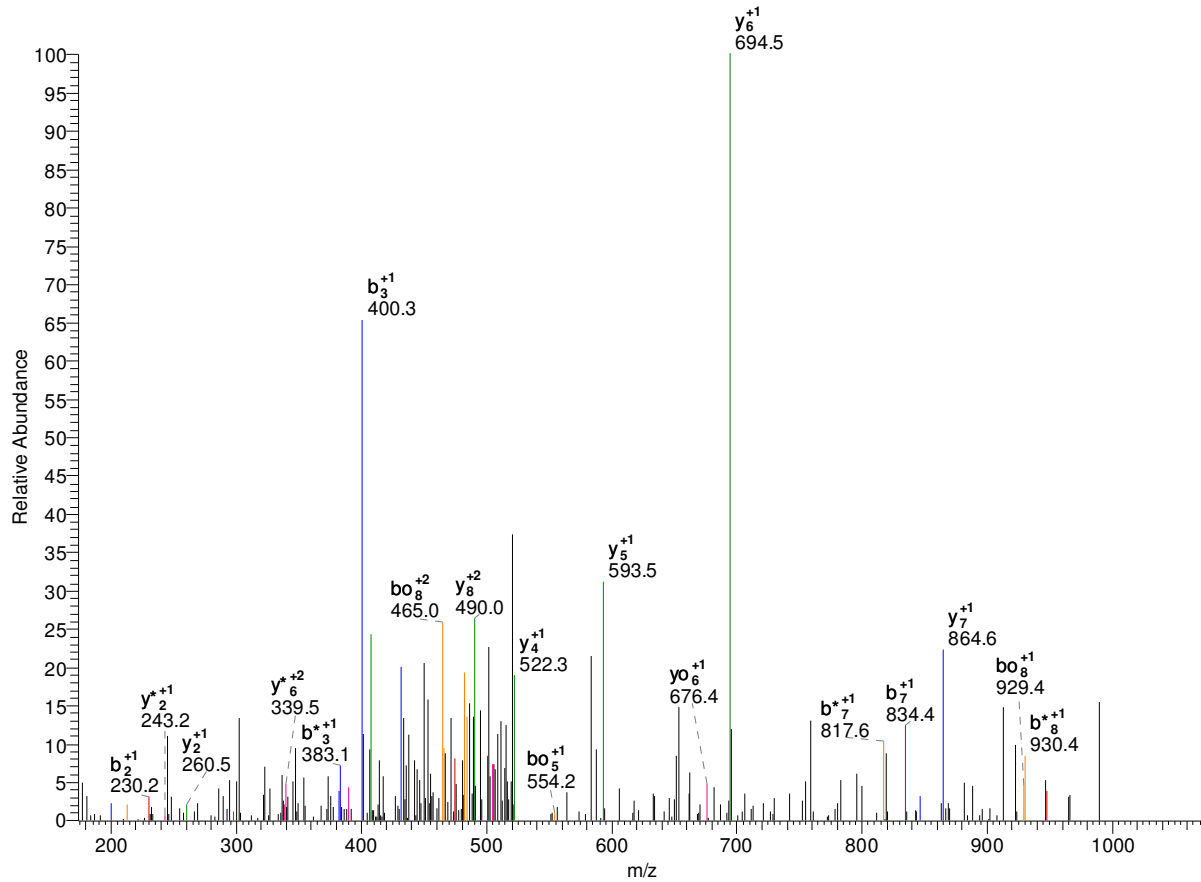
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	D	39.35	33.67	33.35	-	-	-	21
2	K*	96.05	90.38	90.05	828.76	823.08	822.76	20
3	N	134.07	128.39	128.06	772.06	766.38	766.05	19
4	E	177.08	171.40	171.08	734.04	728.37	728.04	18
5	Y	231.43	225.76	225.43	691.03	685.35	685.03	17
6	E	274.45	268.77	268.45	636.68	631.00	630.67	16
7	F	323.47	317.80	317.47	593.66	587.99	587.66	15
8	T	357.15	351.48	351.15	544.64	538.96	538.63	14
9	L	394.85	389.17	388.85	510.96	505.28	504.95	13
10	N	432.86	427.19	426.86	473.26	467.59	467.26	12
11	F	481.89	476.21	475.88	435.25	429.57	429.24	11
12	L	519.58	513.90	513.58	386.22	380.55	380.22	10
13	K	562.28	556.60	556.28	348.53	342.85	342.53	9
14	P	594.63	588.95	588.63	305.83	300.16	299.83	8
15	I	632.32	626.65	626.32	273.48	267.80	267.48	7
16	N	670.34	664.66	664.34	235.79	230.11	229.78	6
17	V	703.36	697.69	697.36	197.77	192.10	191.77	5
18	E	746.38	740.70	740.37	164.75	159.07	158.74	4
19	E	789.39	783.71	783.39	121.73	116.06	115.73	3
20	S	818.40	812.73	812.40	78.72	73.04	72.72	2
21	K	-	-	-	49.71	44.03	43.71	1

-

2599.29 K.DNK*TADFLK.H

psu|PF14_0510 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 43 - 64

#3543-3543 NL: 8.21E1



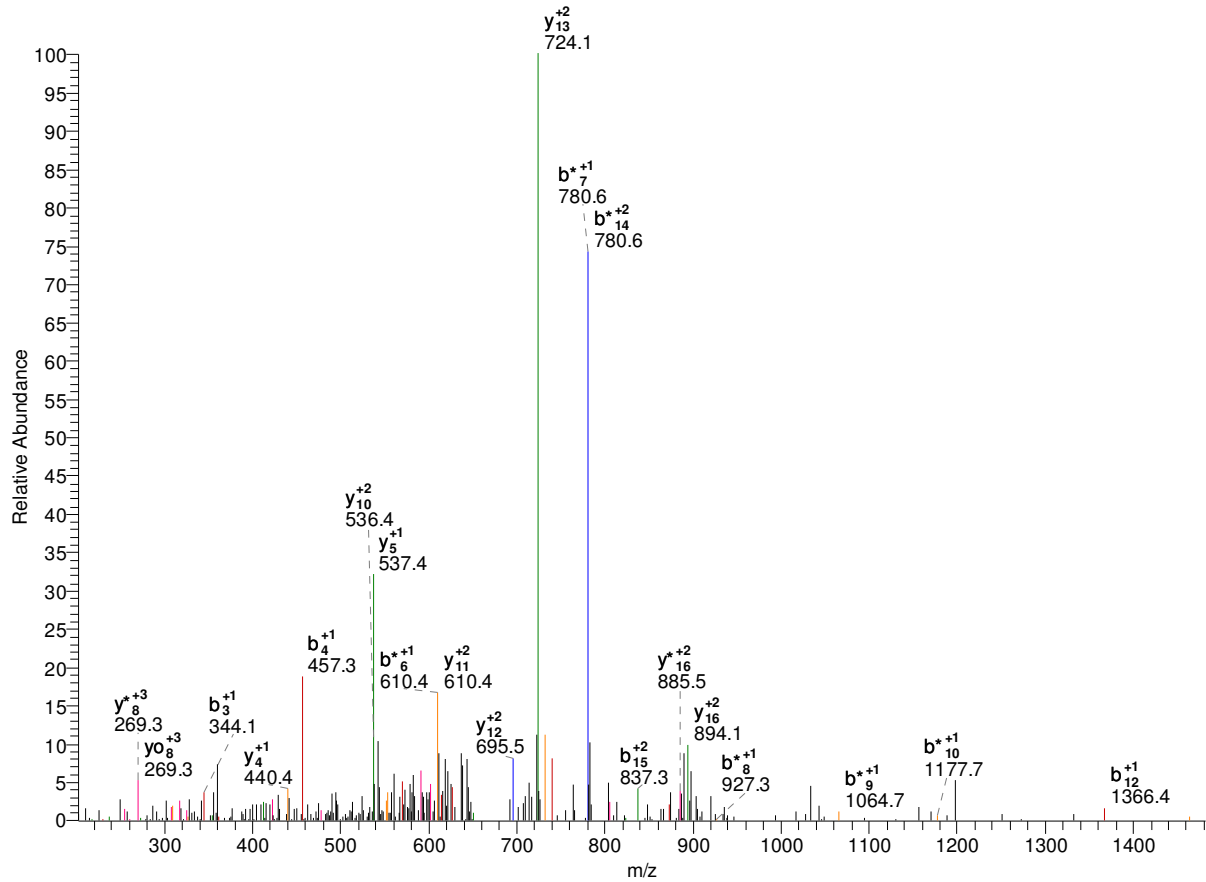
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	9
2	N	230.08	213.05	212.07	978.53	961.50	960.51	8
3	K*	400.18	383.16	382.17	864.48	847.46	846.47	7
4	T	501.23	484.20	483.22	694.38	677.35	676.37	6
5	A	572.27	555.24	554.26	593.33	576.30	575.32	5
6	D	687.29	670.27	669.28	522.29	505.27	504.28	4
7	F	834.36	817.34	816.35	407.27	390.24	389.25	3
8	L	947.45	930.42	929.44	260.20	243.17	242.19	2
9	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	9
2	N	115.54	107.03	106.54	489.77	481.25	480.76	8
3	K*	200.59	192.08	191.59	432.74	424.23	423.74	7
4	T	251.12	242.61	242.11	347.69	339.18	338.69	6
5	A	286.64	278.12	277.63	297.17	288.66	288.16	5
6	D	344.15	335.64	335.15	261.65	253.14	252.64	4
7	F	417.69	409.17	408.68	204.14	195.62	195.13	3
8	L	474.23	465.71	465.22	130.60	122.09	121.60	2
9	K	-	-	-	74.06	65.55	65.05	1

-

2016.07 K.DNNLLGK*FHLDGIPPAPR.K
 psu|PF08_0054 | organism=Plasmodium_falciparum_3D7 | product=heat shock 70 kDa protein
 | location=M 464 - 482
 #7755-7755 NL: 1.82E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	18
2	N	230.08	213.05	212.07	1901.04	1884.01	1883.03	17
3	N	344.12	327.09	326.11	1787.00	1769.97	1768.99	16
4	L	457.20	440.18	439.19	1672.95	1655.93	1654.94	15
5	L	570.29	553.26	552.28	1559.87	1542.84	1541.86	14
6	G	627.31	610.28	609.30	1446.79	1429.76	1428.77	13
7	K*	797.42	780.39	779.40	1389.76	1372.74	1371.75	12
8	F	944.48	927.46	926.47	1219.66	1202.63	1201.65	11
9	H	1081.54	1064.52	1063.53	1072.59	1055.56	1054.58	10
10	L	1194.63	1177.60	1176.62	935.53	918.50	917.52	9
11	D	1309.65	1292.63	1291.64	822.45	805.42	804.44	8
12	G	1366.67	1349.65	1348.66	707.42	690.39	689.41	7
13	I	1479.76	1462.73	1461.75	650.40	633.37	632.39	6
14	P	1576.81	1559.79	1558.80	537.31	520.29	519.30	5
15	P	1673.86	1656.84	1655.85	440.26	423.24	422.25	4
16	A	1744.90	1727.88	1726.89	343.21	326.18	325.20	3
17	P	1841.95	1824.93	1823.94	272.17	255.15	254.16	2
18	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	18

2	N	115.54	107.03	106.54	951.02	942.51	942.02	17
3	N	172.56	164.05	163.56	894.00	885.49	885.00	16
4	L	229.11	220.59	220.10	836.98	828.47	827.98	15
5	L	285.65	277.13	276.64	780.44	771.93	771.43	14
6	G	314.16	305.65	305.15	723.90	715.38	714.89	13
7	K*	399.21	390.70	390.21	695.39	686.87	686.38	12
8	F	472.75	464.23	463.74	610.33	601.82	601.33	11
9	H	541.27	532.76	532.27	536.80	528.29	527.79	10
10	L	597.82	589.30	588.81	468.27	459.76	459.26	9
11	D	655.33	646.82	646.33	411.73	403.21	402.72	8
12	G	683.84	675.33	674.84	354.21	345.70	345.21	7
13	I	740.38	731.87	731.38	325.70	317.19	316.70	6
14	P	788.91	780.40	779.90	269.16	260.65	260.16	5
15	P	837.44	828.92	828.43	220.63	212.12	211.63	4
16	A	872.95	864.44	863.95	172.11	163.59	163.10	3
17	P	921.48	912.97	912.48	136.59	128.08	127.58	2
18	R	-	-	-	88.06	79.55	79.06	1

-

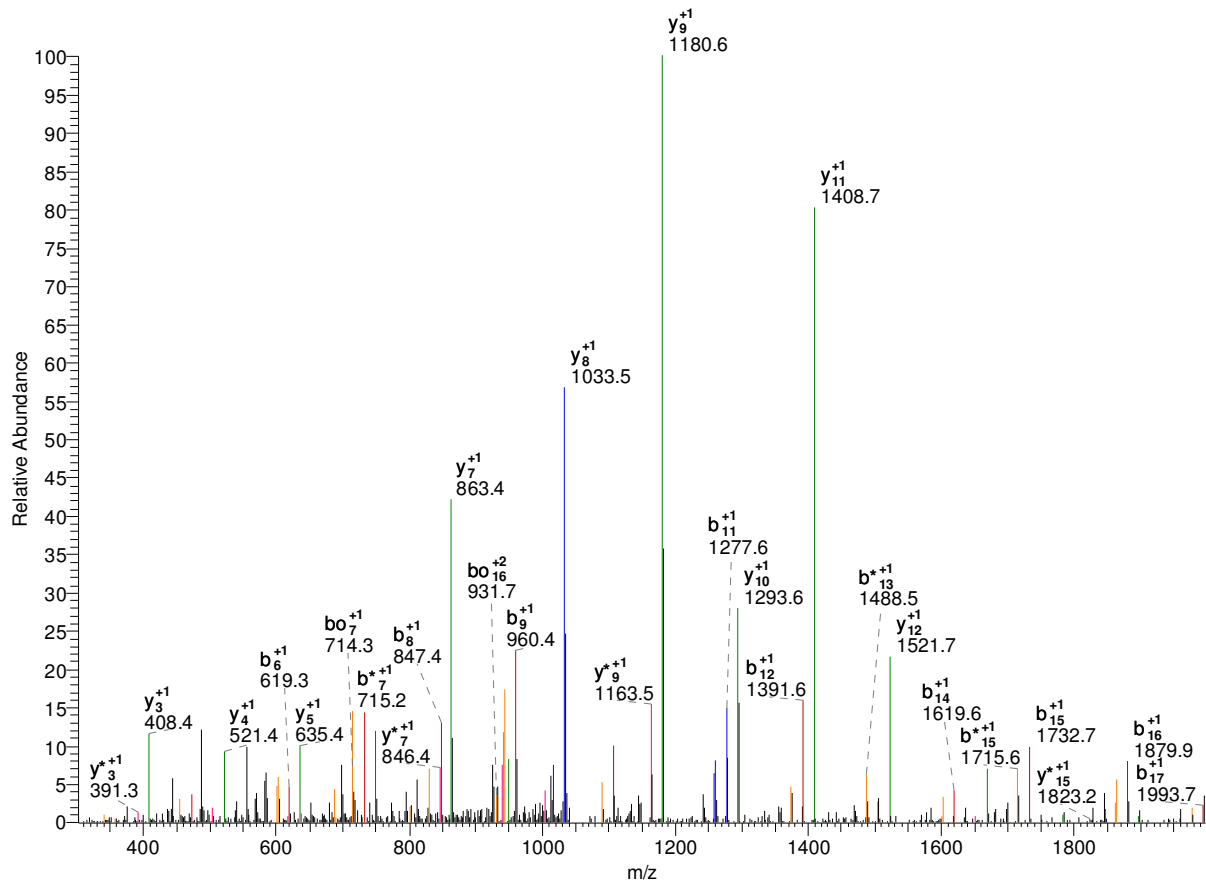
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	D	39.35	33.67	33.35	-	-	-	18
2	N	77.36	71.69	71.36	634.35	628.68	628.35	17
3	N	115.38	109.70	109.37	596.34	590.66	590.33	16
4	L	153.07	147.40	147.07	558.32	552.65	552.32	15
5	L	190.77	185.09	184.76	520.63	514.95	514.62	14
6	G	209.77	204.10	203.77	482.93	477.26	476.93	13
7	K*	266.48	260.80	260.47	463.93	458.25	457.92	12
8	F	315.50	309.82	309.50	407.22	401.55	401.22	11
9	H	361.19	355.51	355.18	358.20	352.53	352.20	10
10	L	398.88	393.20	392.88	312.52	306.84	306.51	9
11	D	437.22	431.55	431.22	274.82	269.14	268.82	8
12	G	456.23	450.55	450.23	236.48	230.80	230.47	7
13	I	493.92	488.25	487.92	217.47	211.80	211.47	6
14	P	526.28	520.60	520.27	179.78	174.10	173.77	5
15	P	558.63	552.95	552.62	147.43	141.75	141.42	4
16	A	582.31	576.63	576.30	115.07	109.40	109.07	3
17	P	614.66	608.98	608.65	91.40	85.72	85.39	2
18	R	-	-	-	59.04	53.37	53.04	1

-

2140.05 K.DQGGNFIDIFK*NNNLFNK.N

psu|PF13_0116 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | loca 634 - 652

#8420-8420 NL: 4.79E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	18
2	Q	244.09	227.07	226.08	2025.02	2007.99	2007.01	17
3	G	301.11	284.09	283.10	1896.96	1879.93	1878.95	16
4	G	358.14	341.11	340.13	1839.94	1822.91	1821.93	15
5	N	472.18	455.15	454.17	1782.92	1765.89	1764.91	14
6	F	619.25	602.22	601.24	1668.87	1651.85	1650.86	13
7	I	732.33	715.30	714.32	1521.81	1504.78	1503.80	12
8	D	847.36	830.33	829.35	1408.72	1391.70	1390.71	11
9	I	960.44	943.42	942.43	1293.70	1276.67	1275.68	10
10	F	1107.51	1090.48	1089.50	1180.61	1163.58	1162.60	9
11	K*	1277.62	1260.59	1259.61	1033.54	1016.52	1015.53	8
12	N	1391.66	1374.63	1373.65	863.44	846.41	845.43	7
13	N	1505.70	1488.68	1487.69	749.39	732.37	731.38	6
14	N	1619.74	1602.72	1601.73	635.35	618.32	617.34	5
15	L	1732.83	1715.80	1714.82	521.31	504.28	503.30	4
16	F	1879.90	1862.87	1861.89	408.22	391.20	390.21	3
17	N	1993.94	1976.91	1975.93	261.16	244.13	243.15	2
18	K	-	-	-	147.11	130.09	129.10	1

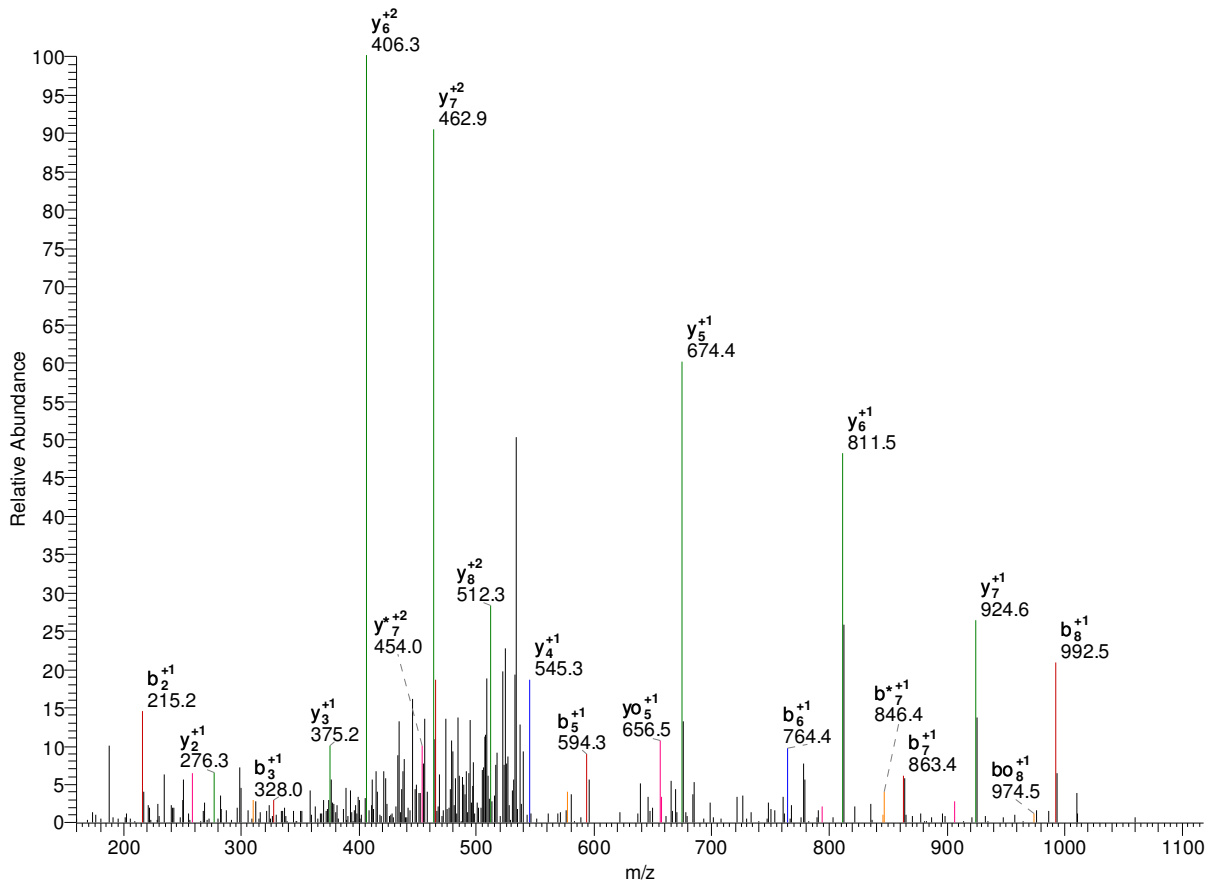
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	18

2	Q	122.55	114.04	113.54	1013.01	1004.50	1004.01	17
3	G	151.06	142.55	142.06	948.98	940.47	939.98	16
4	G	179.57	171.06	170.57	920.47	911.96	911.47	15
5	N	236.59	228.08	227.59	891.96	883.45	882.96	14
6	F	310.13	301.61	301.12	834.94	826.43	825.94	13
7	I	366.67	358.16	357.66	761.41	752.89	752.40	12
8	D	424.18	415.67	415.18	704.86	696.35	695.86	11
9	I	480.72	472.21	471.72	647.35	638.84	638.35	10
10	F	554.26	545.75	545.25	590.81	582.30	581.80	9
11	K*	639.31	630.80	630.31	517.27	508.76	508.27	8
12	N	696.33	687.82	687.33	432.22	423.71	423.22	7
13	N	753.35	744.84	744.35	375.20	366.69	366.20	6
14	N	810.38	801.86	801.37	318.18	309.67	309.17	5
15	L	866.92	858.40	857.91	261.16	252.64	252.15	4
16	F	940.45	931.94	931.45	204.62	196.10	195.61	3
17	N	997.47	988.96	988.47	131.08	122.57	122.08	2
18	K	-	-	-	74.06	65.55	65.05	1

—

1138.61 K.DVLHEK*VEK.V
 psu|PF07_0029 | organism=Plasmodium_falciparum_3D7 | product=heat shock protein 86 |
 location=MAL7: 595 - 604
 #1018-1018 NL:2.00E2



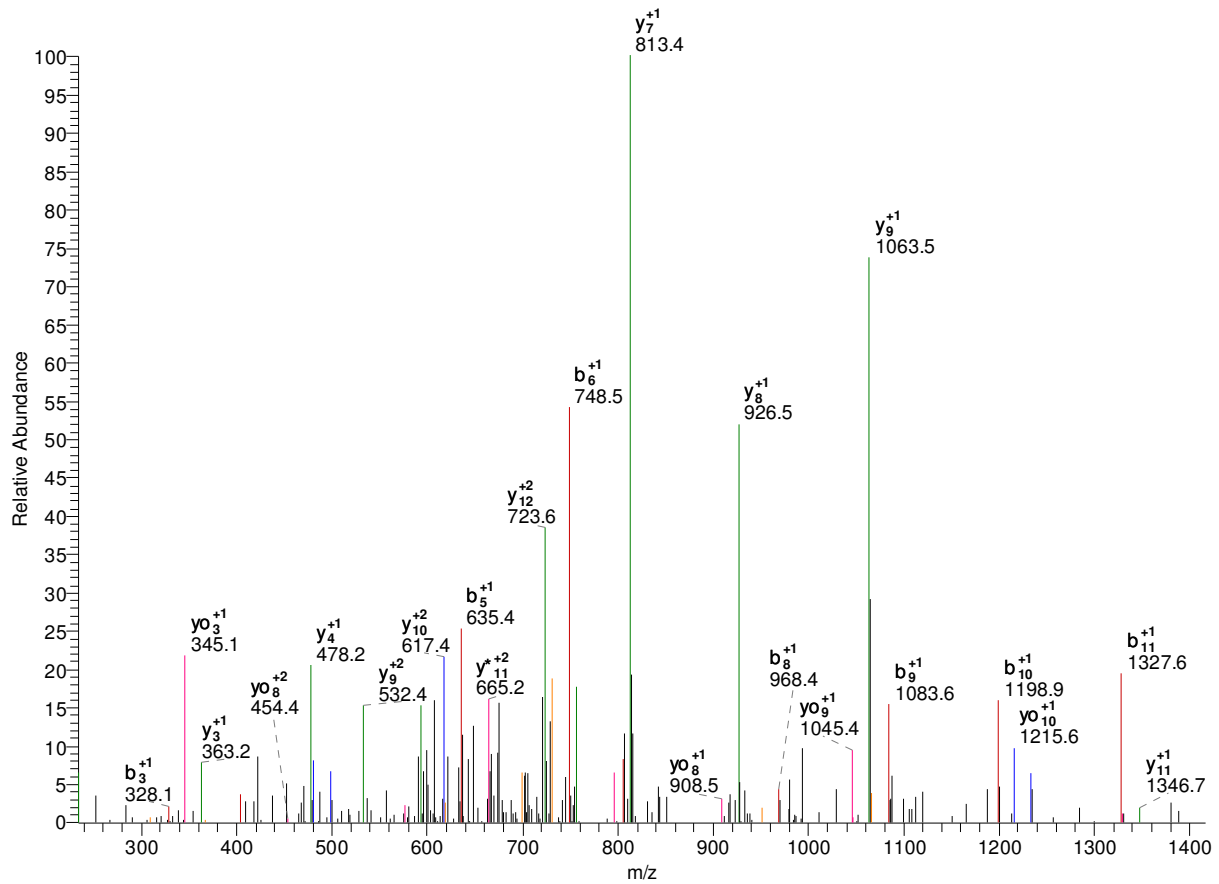
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	9
2	V	215.10	198.08	197.09	1023.58	1006.56	1005.57	8
3	L	328.19	311.16	310.18	924.51	907.49	906.50	7
4	H	465.25	448.22	447.24	811.43	794.40	793.42	6
5	E	594.29	577.26	576.28	674.37	657.35	656.36	5
6	K*	764.39	747.37	746.38	545.33	528.30	527.32	4
7	V	863.46	846.44	845.45	375.22	358.20	357.21	3
8	E	992.50	975.48	974.49	276.16	259.13	258.14	2
9	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	9
2	V	108.05	99.54	99.05	512.30	503.78	503.29	8
3	L	164.60	156.08	155.59	462.76	454.25	453.76	7
4	H	233.13	224.61	224.12	406.22	397.71	397.21	6
5	E	297.65	289.13	288.64	337.69	329.18	328.68	5
6	K*	382.70	374.19	373.70	273.17	264.66	264.16	4
7	V	432.23	423.72	423.23	188.12	179.60	179.11	3
8	E	496.76	488.24	487.75	138.58	130.07	129.58	2
9	K	-	-	-	74.06	65.55	65.05	1

-

1560.75 R.DVLK*HIGYDDESK.G
 psu|PF11090w | organism=Plasmodium_falciparum_3D7 | product=s-adenosylmethionine
 synthetase, putati 77 - 90
 #2458-2458 NL:1.11E2



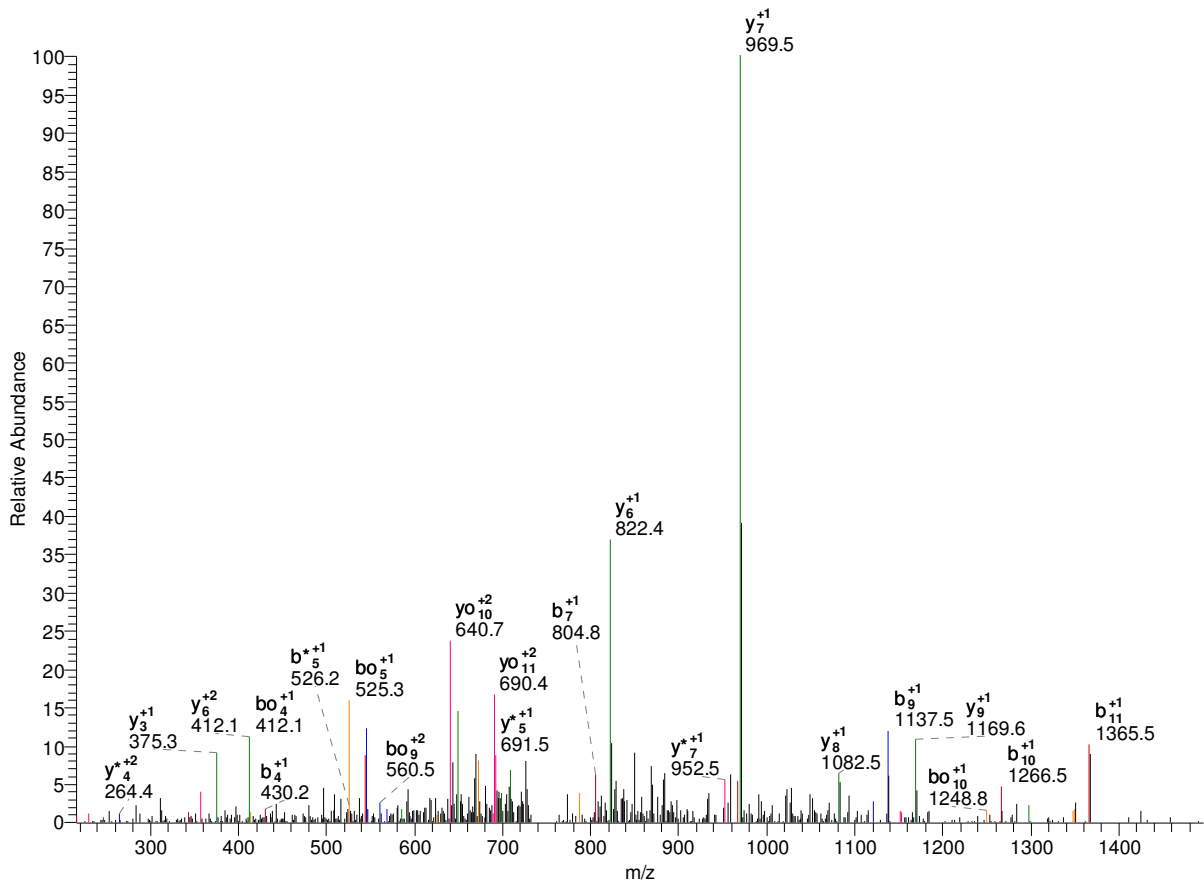
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	13
2	V	215.10	198.08	197.09	1445.73	1428.70	1427.72	12
3	L	328.19	311.16	310.18	1346.66	1329.63	1328.65	11
4	K*	498.29	481.27	480.28	1233.57	1216.55	1215.56	10
5	H	635.35	618.32	617.34	1063.47	1046.44	1045.46	9
6	I	748.44	731.41	730.42	926.41	909.38	908.40	8
7	G	805.46	788.43	787.45	813.33	796.30	795.32	7
8	Y	968.52	951.49	950.51	756.30	739.28	738.29	6
9	D	1083.55	1066.52	1065.54	593.24	576.21	575.23	5
10	D	1198.57	1181.55	1180.56	478.21	461.19	460.20	4
11	E	1327.62	1310.59	1309.61	363.19	346.16	345.18	3
12	S	1414.65	1397.62	1396.64	234.14	217.12	216.13	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	13
2	V	108.05	99.54	99.05	723.37	714.85	714.36	12
3	L	164.60	156.08	155.59	673.83	665.32	664.83	11
4	K*	249.65	241.14	240.64	617.29	608.78	608.29	10
5	H	318.18	309.67	309.17	532.24	523.72	523.23	9
6	I	374.72	366.21	365.72	463.71	455.20	454.70	8

7	G	403.23	394.72	394.23	407.17	398.65	398.16	7
8	Y	484.76	476.25	475.76	378.66	370.14	369.65	6
9	D	542.28	533.76	533.27	297.12	288.61	288.12	5
10	D	599.79	591.28	590.79	239.61	231.10	230.61	4
11	E	664.31	655.80	655.31	182.10	173.58	173.09	3
12	S	707.83	699.31	698.82	117.58	109.06	108.57	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1511.77 K.DVQSLFNYK*EVK.S
 psu|PFB0835c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL2:73 295 - 307
 #6604-6604 NL:4.71E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	12
2	V	215.10	198.08	197.09	1396.75	1379.72	1378.74	11
3	Q	343.16	326.13	325.15	1297.68	1280.65	1279.67	10
4	S	430.19	413.17	412.18	1169.62	1152.59	1151.61	9
5	L	543.28	526.25	525.27	1082.59	1065.56	1064.58	8
6	F	690.35	673.32	672.34	969.50	952.48	951.49	7
7	N	804.39	787.36	786.38	822.44	805.41	804.43	6
8	Y	967.45	950.43	949.44	708.39	691.37	690.38	5
9	K*	1137.56	1120.53	1119.55	545.33	528.30	527.32	4
10	E	1266.60	1249.57	1248.59	375.22	358.20	357.21	3
11	V	1365.67	1348.64	1347.66	246.18	229.15	228.17	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	12
2	V	108.05	99.54	99.05	698.88	690.36	689.87	11
3	Q	172.08	163.57	163.08	649.34	640.83	640.34	10
4	S	215.60	207.09	206.59	585.31	576.80	576.31	9
5	L	272.14	263.63	263.14	541.80	533.28	532.79	8
6	F	345.68	337.16	336.67	485.26	476.74	476.25	7
7	N	402.70	394.18	393.69	411.72	403.21	402.72	6

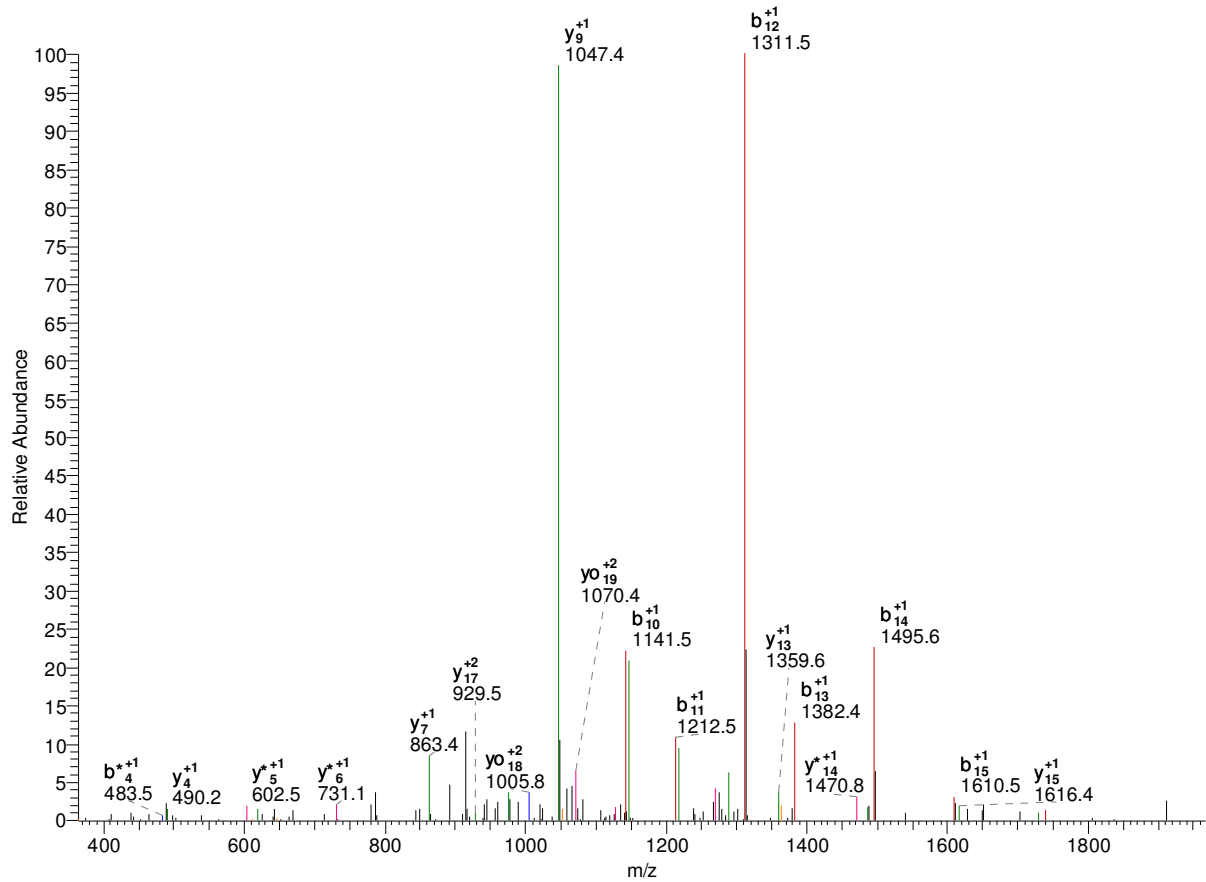
8	Y	484.23	475.72	475.22	354.70	346.19	345.69	5
9	K*	569.28	560.77	560.28	273.17	264.66	264.16	4
10	E	633.80	625.29	624.80	188.12	179.60	179.11	3
11	V	683.34	674.82	674.33	123.59	115.08	114.59	2
12	K	-	-	-	74.06	65.55	65.05	1

-

2358.08 R.EAEK*ELEQAAVAIDEEDIEN

psu|PF11_0183 | organism=Plasmodium_falciparum_3D7 | product=GTP-binding nuclear protein ran/tc4 | 193 - 213

#6552-6552 NL: 1.74E2

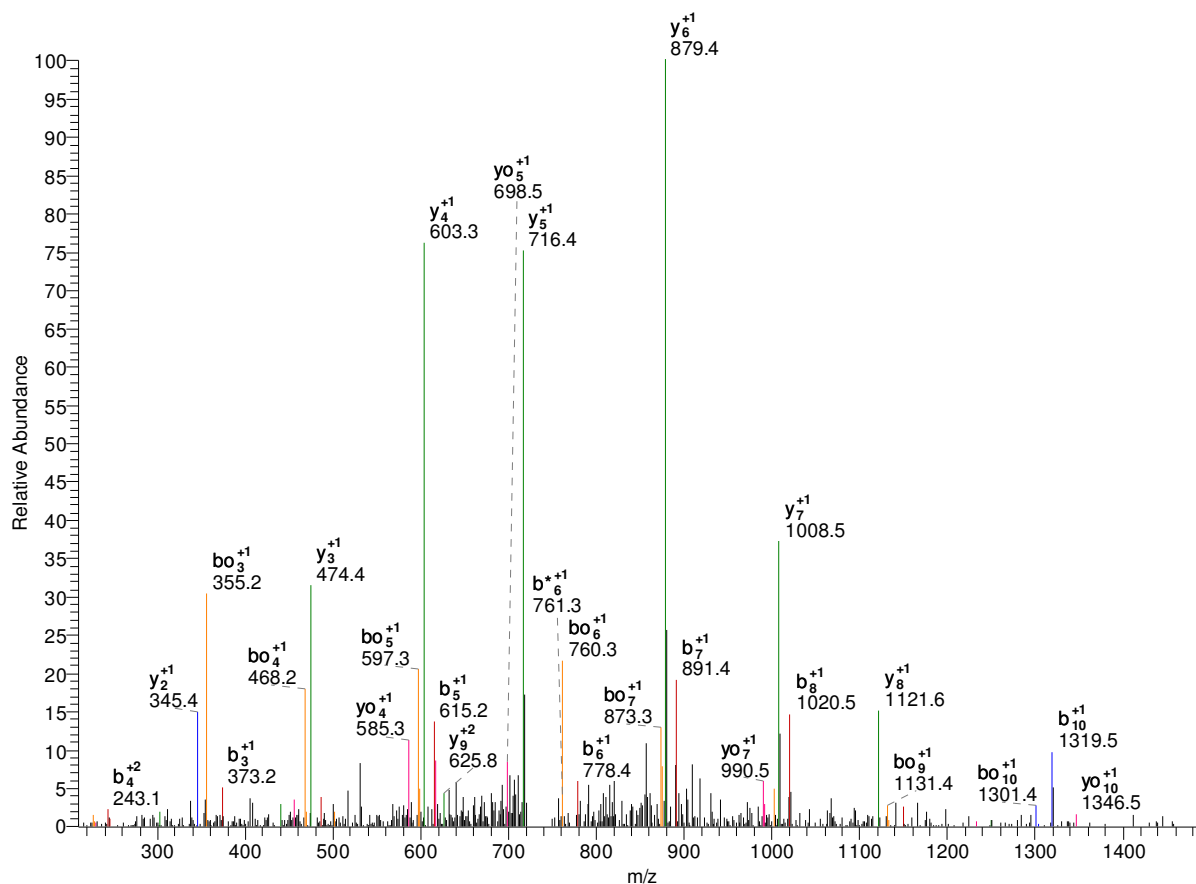


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	21
2	A	201.09	184.06	183.08	2229.04	2212.01	2211.03	20
3	E	330.13	313.10	312.12	2158.00	2140.98	2139.99	19
4	K*	500.24	483.21	482.22	2028.96	2011.93	2010.95	18
5	E	629.28	612.25	611.27	1858.86	1841.83	1840.84	17
6	L	742.36	725.34	724.35	1729.81	1712.79	1711.80	16
7	E	871.40	854.38	853.39	1616.73	1599.70	1598.72	15
8	Q	999.46	982.44	981.45	1487.69	1470.66	1469.68	14
9	A	1070.50	1053.47	1052.49	1359.63	1342.60	1341.62	13
10	A	1141.54	1124.51	1123.53	1288.59	1271.56	1270.58	12
11	A	1212.57	1195.55	1194.56	1217.55	1200.53	1199.54	11
12	V	1311.64	1294.62	1293.63	1146.52	1129.49	1128.51	10
13	A	1382.68	1365.65	1364.67	1047.45	1030.42	1029.44	9
14	I	1495.76	1478.74	1477.75	976.41	959.38	958.40	8
15	D	1610.79	1593.76	1592.78	863.33	846.30	845.32	7
16	E	1739.83	1722.81	1721.82	748.30	731.27	730.29	6
17	E	1868.88	1851.85	1850.87	619.26	602.23	601.25	5
18	D	1983.90	1966.88	1965.89	490.21	473.19	472.20	4
19	I	2096.99	2079.96	2078.98	375.19	358.16	357.18	3
20	E	2226.03	2209.00	2208.02	262.10	245.08	244.09	2
21	N	-	-	-	133.06	116.03	115.05	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	21
2	A	101.05	92.53	92.04	1115.02	1106.51	1106.02	20
3	E	165.57	157.06	156.56	1079.51	1070.99	1070.50	19
4	K*	250.62	242.11	241.62	1014.98	1006.47	1005.98	18
5	E	315.14	306.63	306.14	929.93	921.42	920.93	17
6	L	371.68	363.17	362.68	865.41	856.90	856.40	16
7	E	436.21	427.69	427.20	808.87	800.35	799.86	15
8	Q	500.24	491.72	491.23	744.35	735.83	735.34	14
9	A	535.75	527.24	526.75	680.32	671.80	671.31	13
10	A	571.27	562.76	562.27	644.80	636.29	635.79	12
11	A	606.79	598.28	597.79	609.28	600.77	600.27	11
12	V	656.32	647.81	647.32	573.76	565.25	564.76	10
13	A	691.84	683.33	682.84	524.23	515.71	515.22	9
14	I	748.39	739.87	739.38	488.71	480.20	479.70	8
15	D	805.90	797.39	796.89	432.17	423.65	423.16	7
16	E	870.42	861.91	861.42	374.65	366.14	365.65	6
17	E	934.94	926.43	925.94	310.13	301.62	301.13	5
18	D	992.46	983.94	983.45	245.61	237.10	236.61	4
19	I	1049.00	1040.48	1039.99	188.10	179.58	179.09	3
20	E	1113.52	1105.01	1104.51	131.56	123.04	122.55	2
21	N	-	-	-	67.03	58.52	58.03	1

-

1493.71 K.EDQLEYLEEK*R.I
 psu|PF07_0029 | organism=Plasmodium_falciparum_3D7 | product=heat shock protein 86 |
 location=MAL7: 178 - 189
 #4734-4734 NL:5.95E2



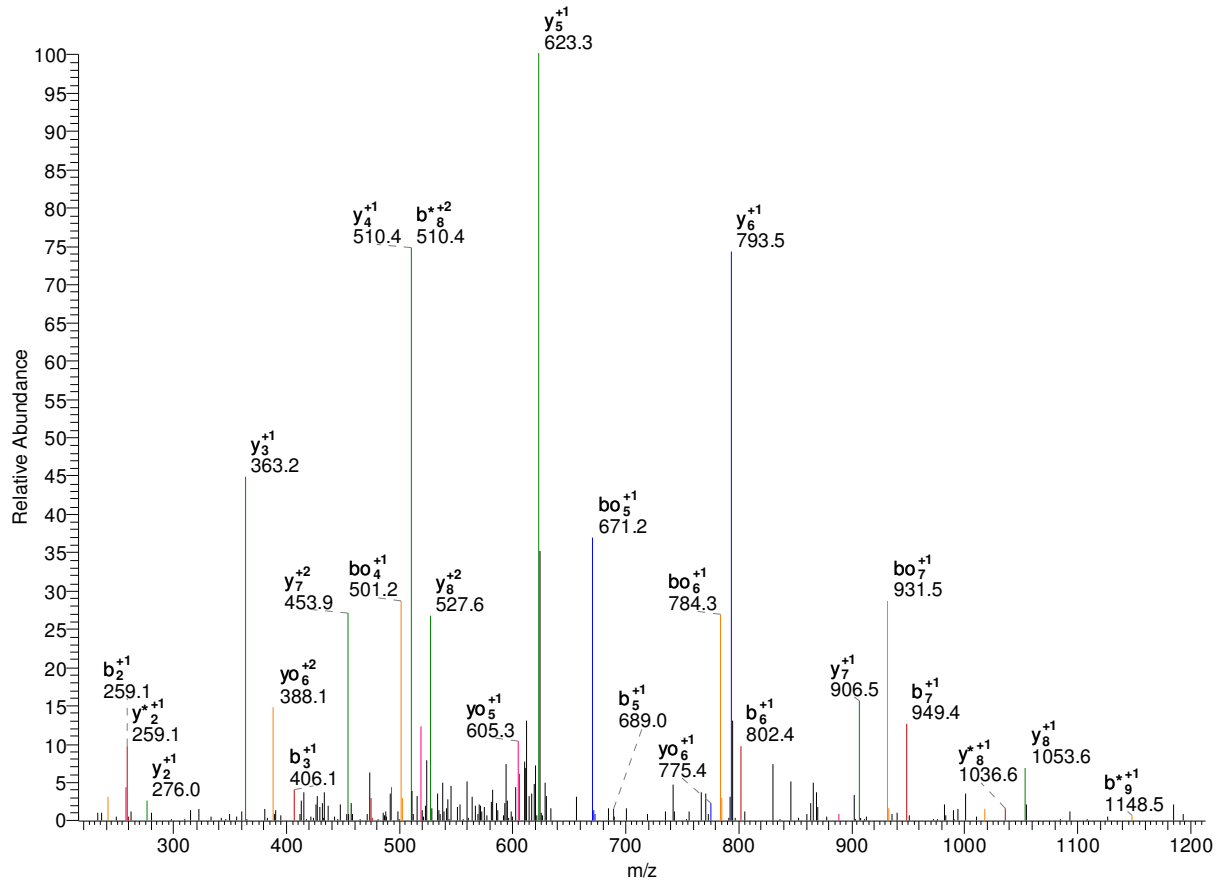
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	11
2	D	245.08	228.05	227.07	1364.67	1347.64	1346.66	10
3	Q	373.14	356.11	355.12	1249.64	1232.62	1231.63	9
4	L	486.22	469.19	468.21	1121.58	1104.56	1103.57	8
5	E	615.26	598.24	597.25	1008.50	991.47	990.49	7
6	Y	778.33	761.30	760.31	879.46	862.43	861.45	6
7	L	891.41	874.38	873.40	716.39	699.37	698.38	5
8	E	1020.45	1003.43	1002.44	603.31	586.28	585.30	4
9	E	1149.49	1132.47	1131.48	474.27	457.24	456.26	3
10	K*	1319.60	1302.57	1301.59	345.22	328.20	327.21	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	11
2	D	123.04	114.53	114.04	682.84	674.32	673.83	10
3	Q	187.07	178.56	178.07	625.32	616.81	616.32	9
4	L	243.61	235.10	234.61	561.30	552.78	552.29	8
5	E	308.13	299.62	299.13	504.75	496.24	495.75	7
6	Y	389.67	381.15	380.66	440.23	431.72	431.23	6
7	L	446.21	437.70	437.20	358.70	350.19	349.70	5
8	E	510.73	502.22	501.72	302.16	293.65	293.15	4

9	E	575.25	566.74	566.25	237.64	229.12	228.63	3
10	K*	660.30	651.79	651.30	173.12	164.60	164.11	2
11	R	-	-	-	88.06	79.55	79.06	1

—

1311.68 K.EEFLK*LFSEK.K
 psu|MAL13P1.214 | organism=Plasmodium_falciparum_3D7 | product=phosphoethanolamine N-methyltransferase 225 - 235
 #6410-6410 NL: 1.67E2



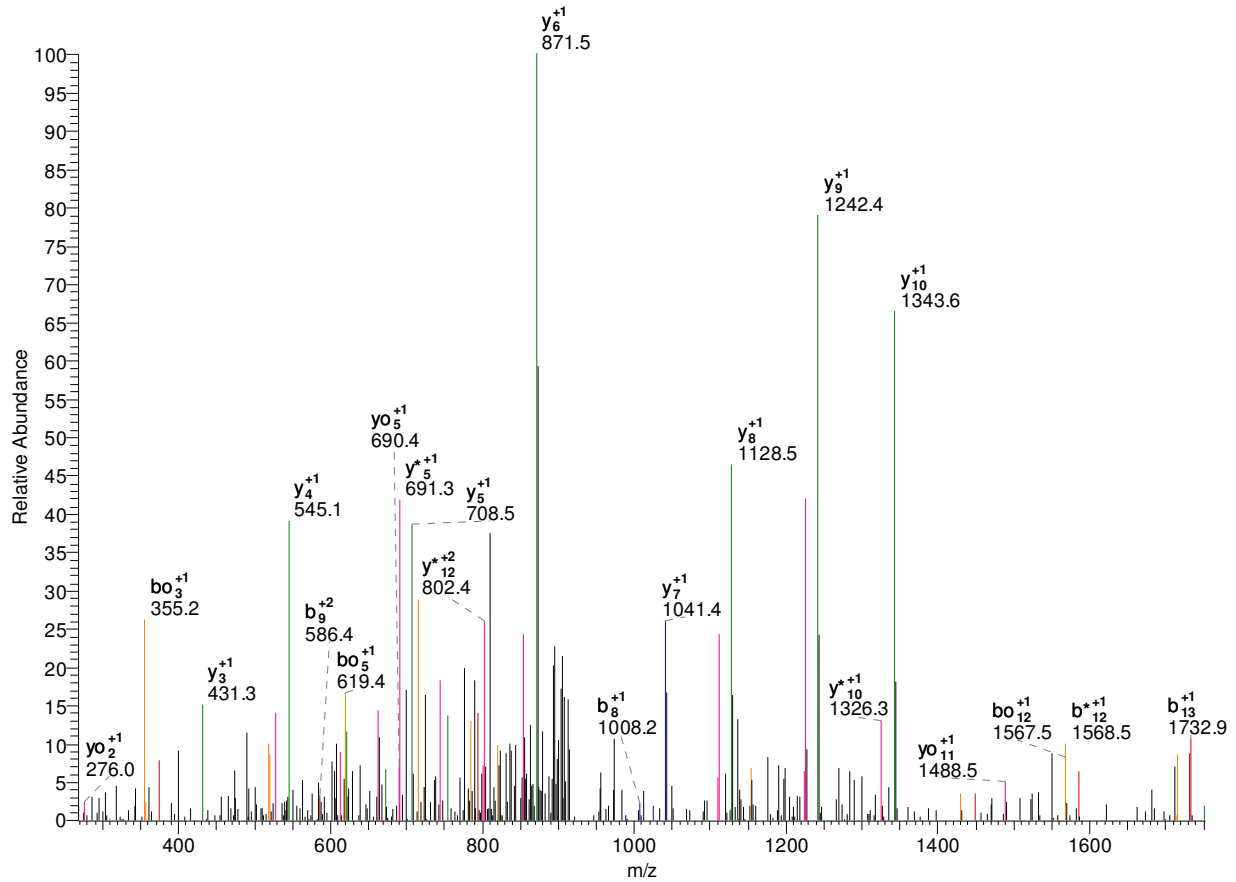
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	10
2	E	259.09	242.07	241.08	1182.64	1165.61	1164.63	9
3	F	406.16	389.13	388.15	1053.60	1036.57	1035.59	8
4	L	519.24	502.22	501.23	906.53	889.50	888.52	7
5	K*	689.35	672.32	671.34	793.45	776.42	775.43	6
6	L	802.43	785.41	784.42	623.34	606.31	605.33	5
7	F	949.50	932.48	931.49	510.26	493.23	492.25	4
8	S	1036.53	1019.51	1018.52	363.19	346.16	345.18	3
9	E	1165.58	1148.55	1147.57	276.16	259.13	258.14	2
10	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	10
2	E	130.05	121.54	121.04	591.82	583.31	582.82	9
3	F	203.58	195.07	194.58	527.30	518.79	518.30	8
4	L	260.13	251.61	251.12	453.77	445.26	444.76	7
5	K*	345.18	336.67	336.17	397.23	388.71	388.22	6
6	L	401.72	393.21	392.72	312.17	303.66	303.17	5
7	F	475.26	466.74	466.25	255.63	247.12	246.63	4
8	S	518.77	510.26	509.77	182.10	173.58	173.09	3
9	E	583.29	574.78	574.29	138.58	130.07	129.58	2

10	K	-	-	-	74.06	65.55	65.05	1
----	---	---	---	---	-------	-------	-------	---

-

1878.83 K.EENYTNK*YYNHFK.N
 psu|MAL13P1.295 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | lo 607 - 621
 #2618-2618 NL:9.19E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	14
2	E	259.09	242.07	241.08	1749.79	1732.76	1731.78	13
3	N	373.14	356.11	355.12	1620.74	1603.72	1602.73	12
4	Y	536.20	519.17	518.19	1506.70	1489.67	1488.69	11
5	T	637.25	620.22	619.24	1343.64	1326.61	1325.63	10
6	N	751.29	734.26	733.28	1242.59	1225.56	1224.58	9
7	S	838.32	821.29	820.31	1128.55	1111.52	1110.54	8
8	K*	1008.43	991.40	990.42	1041.52	1024.49	1023.50	7
9	Y	1171.49	1154.46	1153.48	871.41	854.38	853.40	6
10	Y	1334.55	1317.53	1316.54	708.35	691.32	690.34	5
11	N	1448.60	1431.57	1430.59	545.28	528.26	527.27	4
12	H	1585.66	1568.63	1567.64	431.24	414.21	413.23	3
13	F	1732.72	1715.70	1714.71	294.18	277.15	276.17	2
14	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	14
2	E	130.05	121.54	121.04	875.40	866.88	866.39	13
3	N	187.07	178.56	178.07	810.88	802.36	801.87	12
4	Y	268.60	260.09	259.60	753.85	745.34	744.85	11
5	T	319.13	310.61	310.12	672.32	663.81	663.32	10

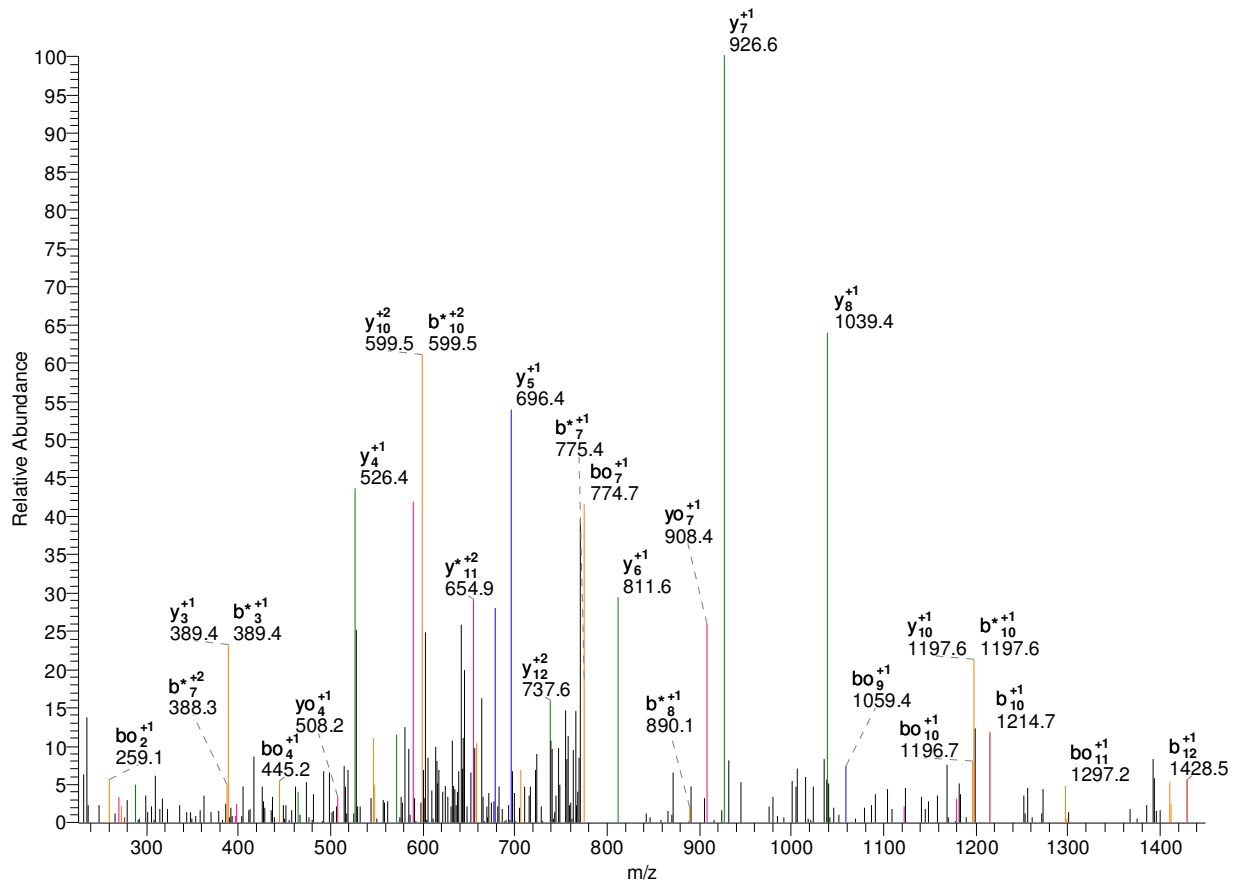
6	N	376.15	367.64	367.14	621.80	613.29	612.79	9
7	S	419.66	411.15	410.66	564.78	556.26	555.77	8
8	K*	504.72	496.20	495.71	521.26	512.75	512.26	7
9	Y	586.25	577.74	577.24	436.21	427.70	427.20	6
10	Y	667.78	659.27	658.78	354.68	346.16	345.67	5
11	N	724.80	716.29	715.80	273.15	264.63	264.14	4
12	H	793.33	784.82	784.33	216.12	207.61	207.12	3
13	F	866.87	858.35	857.86	147.59	139.08	138.59	2
14	K	-	-	-	74.06	65.55	65.05	1

-

1602.78 K.EFEGTLDDK*HTIR.L

psu|PFF1295w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | locat 117 - 130

#2574-2574 NL: 8.48E1



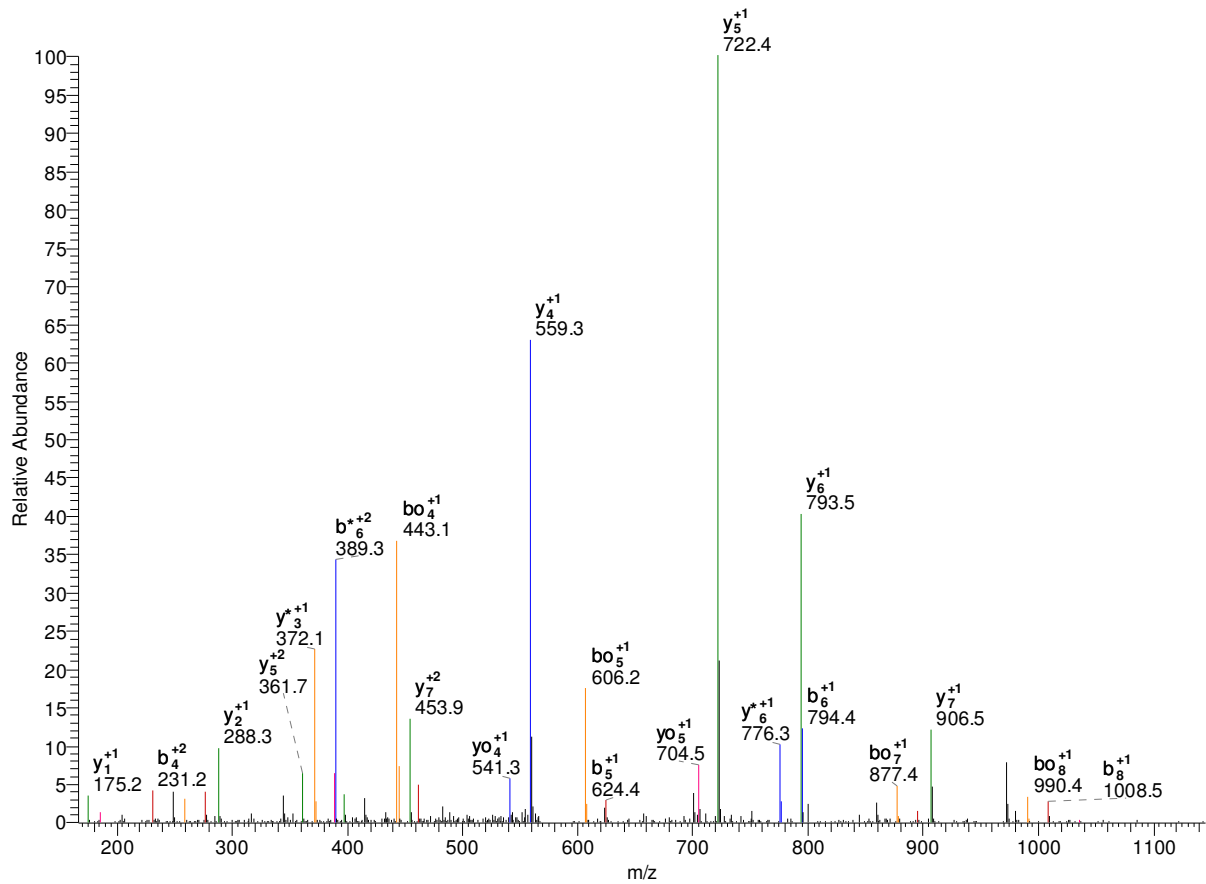
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	13
2	F	277.12	260.09	259.11	1473.73	1456.71	1455.72	12
3	E	406.16	389.13	388.15	1326.66	1309.64	1308.65	11
4	G	463.18	446.16	445.17	1197.62	1180.60	1179.61	10
5	T	564.23	547.20	546.22	1140.60	1123.57	1122.59	9
6	L	677.31	660.29	659.30	1039.55	1022.53	1021.54	8
7	D	792.34	775.31	774.33	926.47	909.44	908.46	7
8	D	907.37	890.34	889.36	811.44	794.42	793.43	6
9	K*	1077.47	1060.45	1059.46	696.42	679.39	678.40	5
10	H	1214.53	1197.51	1196.52	526.31	509.28	508.30	4
11	T	1315.58	1298.55	1297.57	389.25	372.22	371.24	3
12	I	1428.66	1411.64	1410.65	288.20	271.18	270.19	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	13
2	F	139.06	130.55	130.06	737.37	728.86	728.36	12
3	E	203.58	195.07	194.58	663.84	655.32	654.83	11
4	G	232.09	223.58	223.09	599.31	590.80	590.31	10
5	T	282.62	274.11	273.61	570.80	562.29	561.80	9
6	L	339.16	330.65	330.16	520.28	511.77	511.27	8

7	D	396.67	388.16	387.67	463.74	455.22	454.73	7
8	D	454.19	445.67	445.18	406.22	397.71	397.22	6
9	K*	539.24	530.73	530.24	348.71	340.20	339.71	5
10	H	607.77	599.26	598.76	263.66	255.15	254.65	4
11	T	658.29	649.78	649.29	195.13	186.62	186.12	3
12	I	714.84	706.32	705.83	144.61	136.09	135.60	2
13	R	-	-	-	88.06	79.55	79.06	1

-

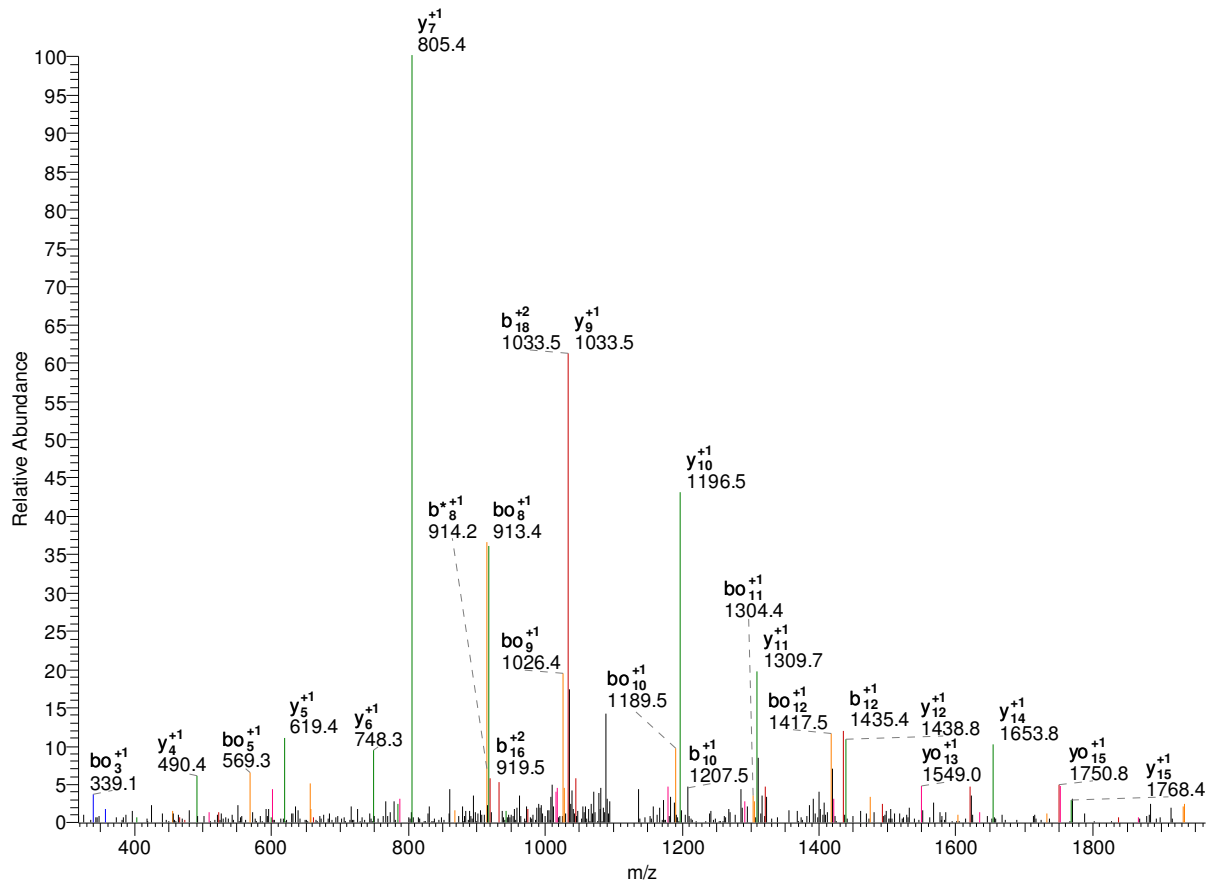
1182.65 K.EFLAYK*TLR.R
 psu|PF08_0075 | organism=Plasmodium_falciparum_3D7 | product=60S ribosomal protein
 L13, putative | 181 - 190
 #5207-5207 NL:2.29E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	9
2	F	277.12	260.09	259.11	1053.61	1036.58	1035.60	8
3	L	390.20	373.18	372.19	906.54	889.51	888.53	7
4	A	461.24	444.21	443.23	793.46	776.43	775.45	6
5	Y	624.30	607.28	606.29	722.42	705.39	704.41	5
6	K*	794.41	777.38	776.40	559.36	542.33	541.35	4
7	T	895.46	878.43	877.45	389.25	372.22	371.24	3
8	L	1008.54	991.51	990.53	288.20	271.18	270.19	2
9	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	9
2	F	139.06	130.55	130.06	527.31	518.79	518.30	8
3	L	195.60	187.09	186.60	453.77	445.26	444.77	7
4	A	231.12	222.61	222.12	397.23	388.72	388.23	6
5	Y	312.66	304.14	303.65	361.71	353.20	352.71	5
6	K*	397.71	389.19	388.70	280.18	271.67	271.18	4
7	T	448.23	439.72	439.23	195.13	186.62	186.12	3
8	L	504.77	496.26	495.77	144.61	136.09	135.60	2
9	R	-	-	-	88.06	79.55	79.06	1

2239.98 K.EGK*DDSQELYDIGEESLDR.V
 psu|PFE1195w | organism=Plasmodium_falciparum_3D7 | product=karyopherin beta |
 location=MAL5:998748 354 - 373
 #6727-6727 NL: 3.72E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	19
2	G	187.07	170.04	169.06	2110.94	2093.91	2092.93	18
3	K*	357.18	340.15	339.17	2053.92	2036.89	2035.91	17
4	D	472.20	455.18	454.19	1883.81	1866.79	1865.80	16
5	D	587.23	570.20	569.22	1768.79	1751.76	1750.78	15
6	S	674.26	657.24	656.25	1653.76	1636.73	1635.75	14
7	Q	802.32	785.29	784.31	1566.73	1549.70	1548.72	13
8	E	931.36	914.34	913.35	1438.67	1421.64	1420.66	12
9	L	1044.45	1027.42	1026.44	1309.63	1292.60	1291.62	11
10	Y	1207.51	1190.48	1189.50	1196.54	1179.52	1178.53	10
11	D	1322.54	1305.51	1304.53	1033.48	1016.45	1015.47	9
12	I	1435.62	1418.60	1417.61	918.45	901.43	900.44	8
13	G	1492.64	1475.62	1474.63	805.37	788.34	787.36	7
14	E	1621.69	1604.66	1603.68	748.35	731.32	730.34	6
15	E	1750.73	1733.70	1732.72	619.30	602.28	601.29	5
16	S	1837.76	1820.73	1819.75	490.26	473.24	472.25	4
17	L	1950.85	1933.82	1932.83	403.23	386.20	385.22	3
18	D	2065.87	2048.85	2047.86	290.15	273.12	272.14	2
19	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	

1	E	65.53	57.02	56.52	-	-	-	19
2	G	94.04	85.53	85.03	1055.97	1047.46	1046.97	18
3	K*	179.09	170.58	170.09	1027.46	1018.95	1018.46	17
4	D	236.61	228.09	227.60	942.41	933.90	933.41	16
5	D	294.12	285.61	285.11	884.90	876.38	875.89	15
6	S	337.64	329.12	328.63	827.38	818.87	818.38	14
7	Q	401.66	393.15	392.66	783.87	775.35	774.86	13
8	E	466.19	457.67	457.18	719.84	711.33	710.83	12
9	L	522.73	514.21	513.72	655.32	646.80	646.31	11
10	Y	604.26	595.75	595.25	598.78	590.26	589.77	10
11	D	661.77	653.26	652.77	517.24	508.73	508.24	9
12	I	718.31	709.80	709.31	459.73	451.22	450.72	8
13	G	746.83	738.31	737.82	403.19	394.67	394.18	7
14	E	811.35	802.83	802.34	374.68	366.16	365.67	6
15	E	875.87	867.35	866.86	310.16	301.64	301.15	5
16	S	919.38	910.87	910.38	245.63	237.12	236.63	4
17	L	975.93	967.41	966.92	202.12	193.61	193.11	3
18	D	1033.44	1024.93	1024.43	145.58	137.06	136.57	2
19	R	-	-	-	88.06	79.55	79.06	1

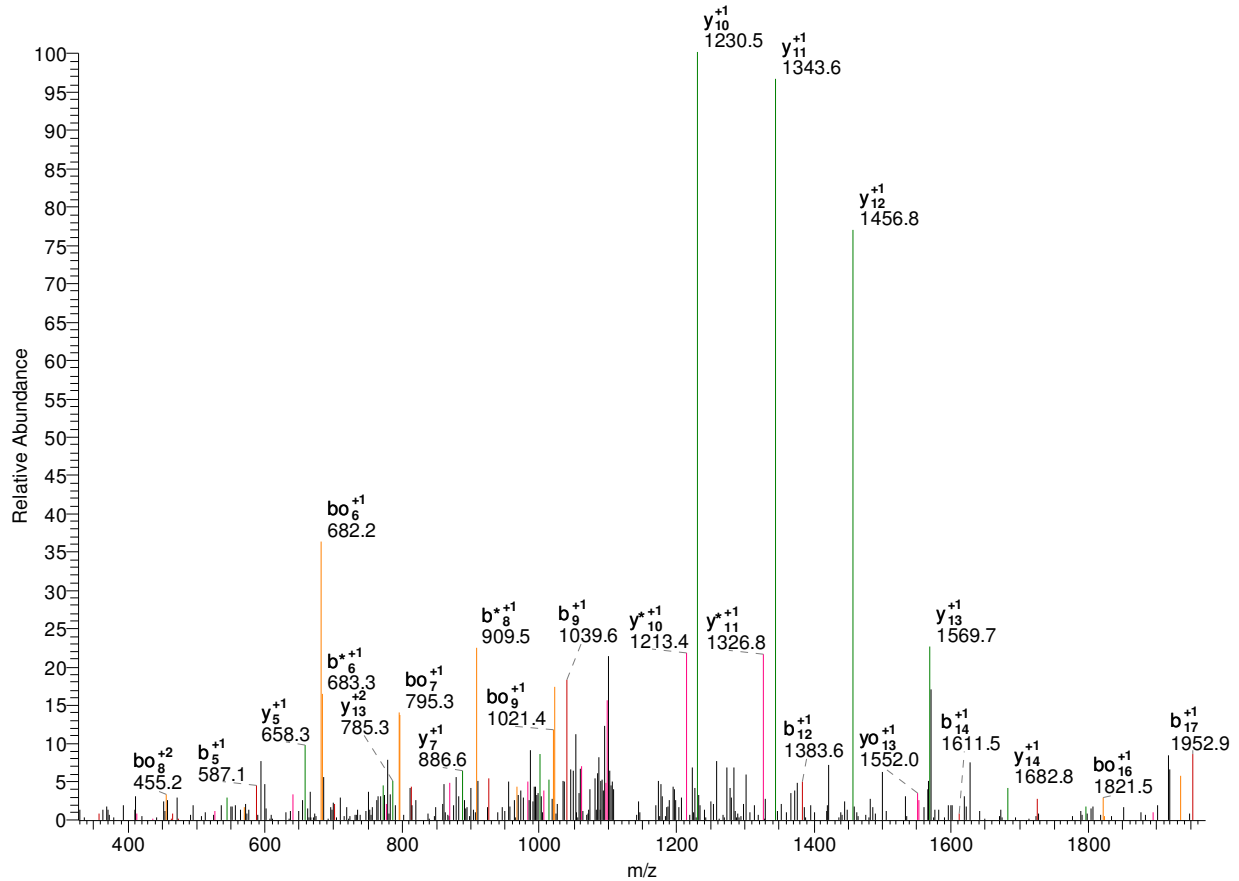
-

Acetylation position is either C-terminal or next to it.

2269.13 K.EIDDNLLLLDDNNNNNIKK*.C

psu|PFE0270c | organism=Plasmodium_falciparum_3D7 | product=DNA repair protein, putative | location 290 - 309

#7017-7017 NL: 1.55E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	19
2	I	243.13	226.11	225.12	2140.09	2123.06	2122.08	18
3	D	358.16	341.13	340.15	2027.00	2009.98	2008.99	17
4	D	473.19	456.16	455.18	1911.98	1894.95	1893.97	16
5	N	587.23	570.20	569.22	1796.95	1779.92	1778.94	15
6	L	700.31	683.29	682.30	1682.91	1665.88	1664.90	14
7	L	813.40	796.37	795.39	1569.82	1552.80	1551.81	13
8	L	926.48	909.46	908.47	1456.74	1439.71	1438.73	12
9	L	1039.57	1022.54	1021.56	1343.65	1326.63	1325.64	11
10	D	1154.59	1137.57	1136.58	1230.57	1213.54	1212.56	10
11	D	1269.62	1252.59	1251.61	1115.54	1098.52	1097.53	9
12	N	1383.66	1366.64	1365.65	1000.52	983.49	982.51	8
13	N	1497.71	1480.68	1479.70	886.47	869.45	868.46	7
14	N	1611.75	1594.72	1593.74	772.43	755.40	754.42	6
15	N	1725.79	1708.77	1707.78	658.39	641.36	640.38	5
16	N	1839.84	1822.81	1821.82	544.35	527.32	526.33	4
17	I	1952.92	1935.89	1934.91	430.30	413.28	412.29	3
18	K	2081.01	2063.99	2063.00	317.22	300.19	299.21	2
19	K*	-	-	-	189.12	172.10	171.11	1

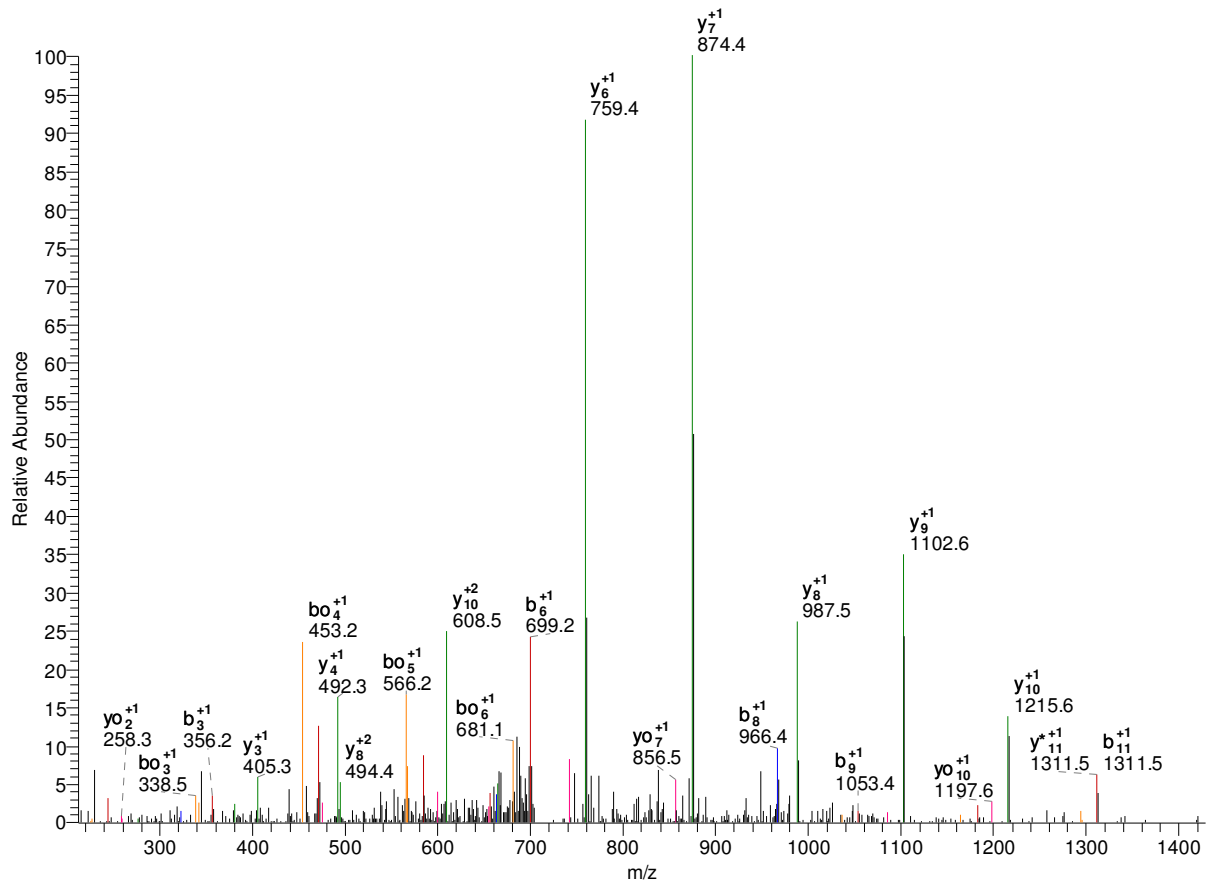
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

1	E	65.53	57.02	56.52	-	-	-	19
2	I	122.07	113.56	113.07	1070.55	1062.03	1061.54	18
3	D	179.58	171.07	170.58	1014.01	1005.49	1005.00	17
4	D	237.10	228.58	228.09	956.49	947.98	947.49	16
5	N	294.12	285.61	285.11	898.98	890.47	889.97	15
6	L	350.66	342.15	341.66	841.96	833.44	832.95	14
7	L	407.20	398.69	398.20	785.42	776.90	776.41	13
8	L	463.75	455.23	454.74	728.87	720.36	719.87	12
9	L	520.29	511.77	511.28	672.33	663.82	663.33	11
10	D	577.80	569.29	568.80	615.79	607.28	606.78	10
11	D	635.31	626.80	626.31	558.28	549.76	549.27	9
12	N	692.34	683.82	683.33	500.76	492.25	491.76	8
13	N	749.36	740.84	740.35	443.74	435.23	434.74	7
14	N	806.38	797.87	797.37	386.72	378.21	377.71	6
15	N	863.40	854.89	854.39	329.70	321.18	320.69	5
16	N	920.42	911.91	911.42	272.68	264.16	263.67	4
17	I	976.96	968.45	967.96	215.65	207.14	206.65	3
18	K	1041.01	1032.50	1032.01	159.11	150.60	150.11	2
19	K*	-	-	-	95.07	86.55	86.06	1

-

1457.74 R.EIIDLDPK*SEEK.E
 psu|PF10455w | organism=Plasmodium_falciparum_3D7 | product=exoribonuclease, putative
 | location=MA 270 - 282
 #4736-4736 NL: 4.61E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	12
2	I	243.13	226.11	225.12	1328.69	1311.67	1310.68	11
3	I	356.22	339.19	338.21	1215.61	1198.58	1197.60	10
4	D	471.24	454.22	453.23	1102.53	1085.50	1084.52	9
5	L	584.33	567.30	566.32	987.50	970.47	969.49	8
6	D	699.36	682.33	681.35	874.42	857.39	856.40	7
7	P	796.41	779.38	778.40	759.39	742.36	741.38	6
8	K*	966.51	949.49	948.50	662.34	645.31	644.32	5
9	S	1053.55	1036.52	1035.54	492.23	475.20	474.22	4
10	E	1182.59	1165.56	1164.58	405.20	388.17	387.19	3
11	E	1311.63	1294.60	1293.62	276.16	259.13	258.14	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	12
2	I	122.07	113.56	113.07	664.85	656.34	655.85	11
3	I	178.61	170.10	169.61	608.31	599.80	599.30	10
4	D	236.13	227.61	227.12	551.77	543.25	542.76	9
5	L	292.67	284.15	283.66	494.25	485.74	485.25	8
6	D	350.18	341.67	341.18	437.71	429.20	428.71	7
7	P	398.71	390.19	389.70	380.20	371.68	371.19	6

8	K*	483.76	475.25	474.76	331.67	323.16	322.67	5
9	S	527.28	518.76	518.27	246.62	238.11	237.61	4
10	E	591.80	583.28	582.79	203.10	194.59	194.10	3
11	E	656.32	647.81	647.31	138.58	130.07	129.58	2
12	K	-	-	-	74.06	65.55	65.05	1

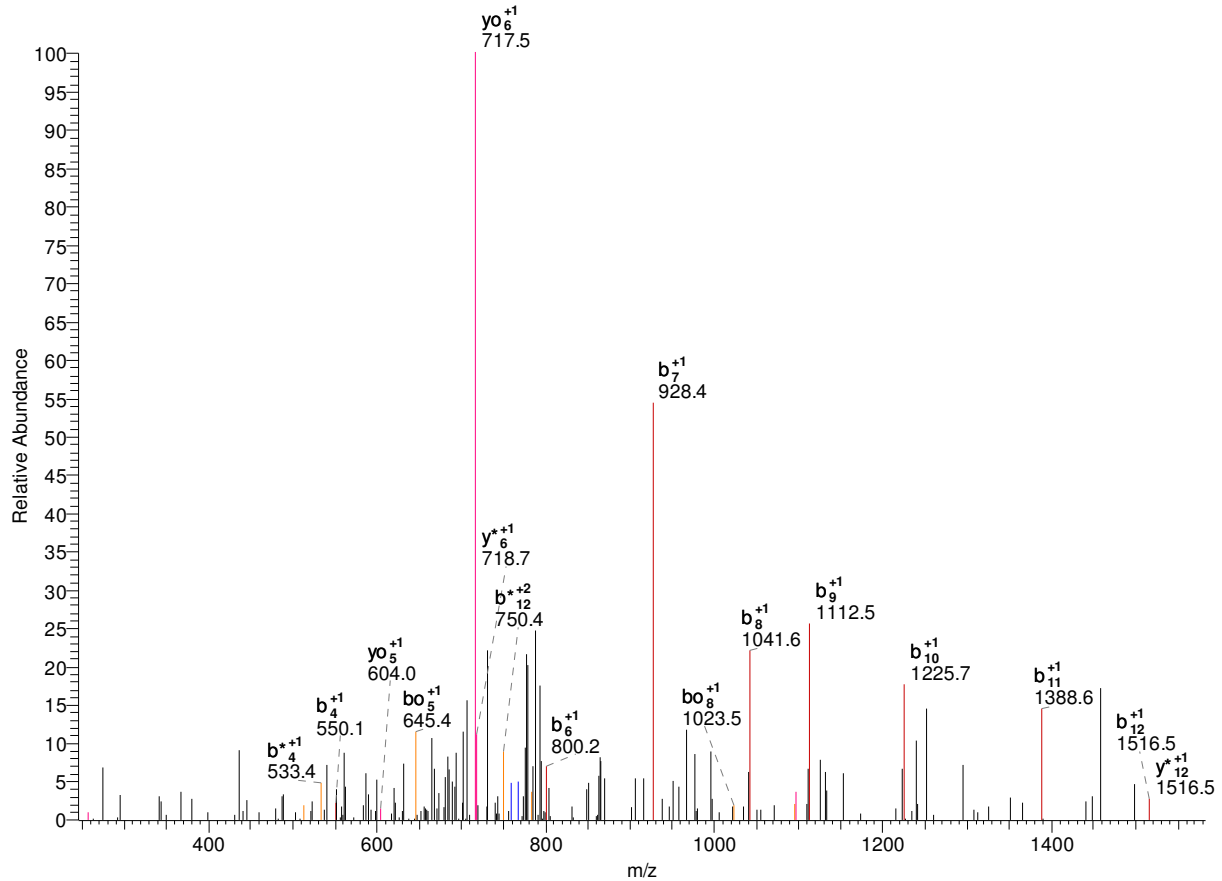
-

Acetylation is on either the 1st or 2nd K, not the C-terminal K.

1662.97 K.EK*IHIHKIALYQK.R

psu|PFB0235w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL2:21 508 - 521

#5067-5067 NL: 7.57E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	13
2	K*	300.16	283.13	282.14	1533.93	1516.90	1515.92	12
3	I	413.24	396.21	395.23	1363.82	1346.79	1345.81	11
4	H	550.30	533.27	532.29	1250.74	1233.71	1232.73	10
5	I	663.38	646.36	645.37	1113.68	1096.65	1095.67	9
6	H	800.44	783.41	782.43	1000.59	983.57	982.58	8
7	K	928.54	911.51	910.53	863.53	846.51	845.52	7
8	I	1041.62	1024.59	1023.61	735.44	718.41	717.43	6
9	A	1112.66	1095.63	1094.65	622.36	605.33	604.35	5
10	L	1225.74	1208.72	1207.73	551.32	534.29	533.31	4
11	Y	1388.80	1371.78	1370.79	438.23	421.21	420.22	3
12	Q	1516.86	1499.84	1498.85	275.17	258.14	257.16	2
13	K	-	-	-	147.11	130.09	129.10	1

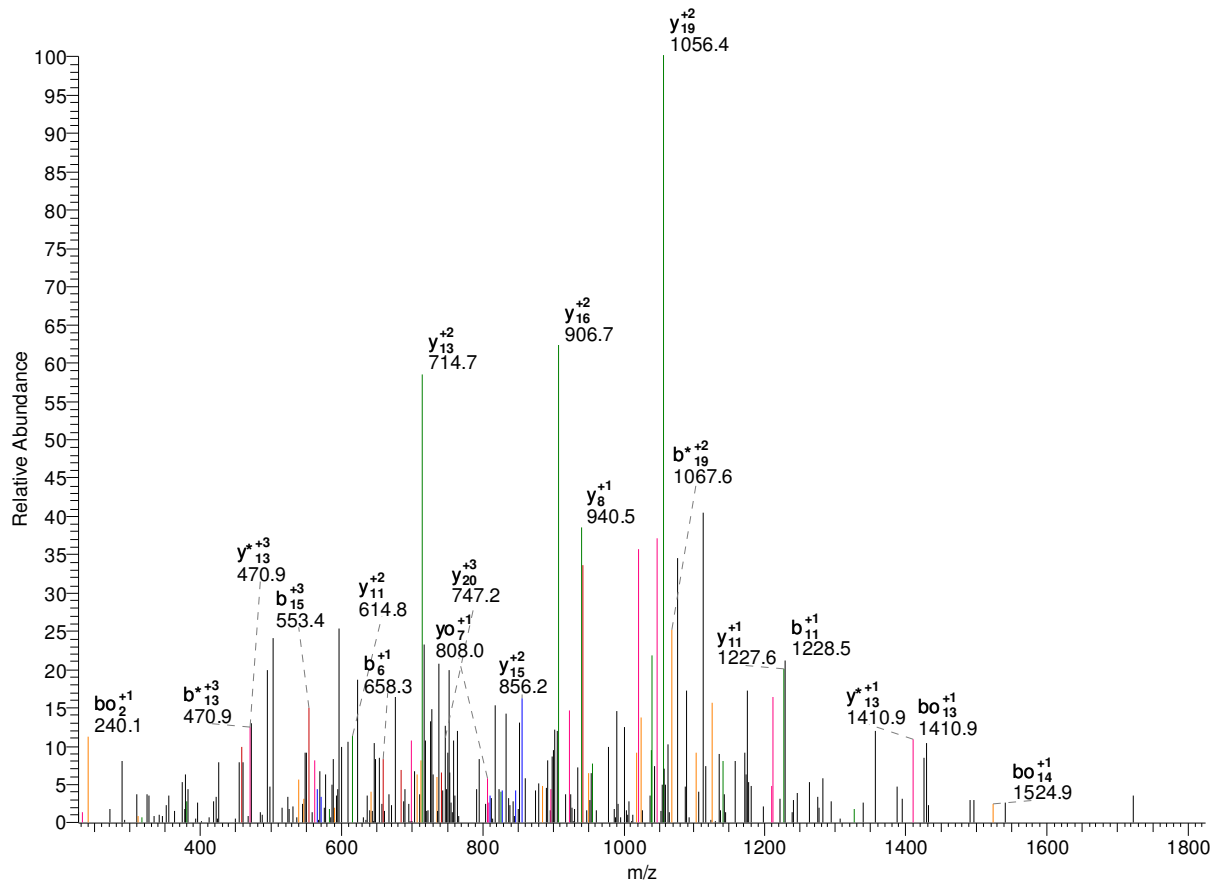
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	13
2	K*	150.58	142.07	141.58	767.47	758.95	758.46	12
3	I	207.12	198.61	198.12	682.41	673.90	673.41	11
4	H	275.65	267.14	266.65	625.87	617.36	616.87	10
5	I	332.19	323.68	323.19	557.34	548.83	548.34	9
6	H	400.72	392.21	391.72	500.80	492.29	491.80	8

7	K	464.77	456.26	455.77	432.27	423.76	423.27	7
8	I	521.31	512.80	512.31	368.22	359.71	359.22	6
9	A	556.83	548.32	547.83	311.68	303.17	302.68	5
10	L	613.37	604.86	604.37	276.16	267.65	267.16	4
11	Y	694.91	686.39	685.90	219.62	211.11	210.62	3
12	Q	758.94	750.42	749.93	138.09	129.58	129.08	2
13	K	-	-	-	74.06	65.55	65.05	1

-

2368.24 K.EKAEVTK*ITVSTVNNEEHVAK.K
 psu|PFL0280c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 301 - 322
 #3272-3272 NL:5.87E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	21
2	K	258.14	241.12	240.13	2239.19	2222.17	2221.18	20
3	A	329.18	312.16	311.17	2111.10	2094.07	2093.09	19
4	E	458.22	441.20	440.21	2040.06	2023.03	2022.05	18
5	V	557.29	540.27	539.28	1911.02	1893.99	1893.01	17
6	T	658.34	641.31	640.33	1811.95	1794.92	1793.94	16
7	K*	828.45	811.42	810.44	1710.90	1693.88	1692.89	15
8	I	941.53	924.50	923.52	1540.80	1523.77	1522.79	14
9	T	1042.58	1025.55	1024.57	1427.71	1410.69	1409.70	13
10	V	1141.65	1124.62	1123.64	1326.66	1309.64	1308.65	12
11	S	1228.68	1211.65	1210.67	1227.60	1210.57	1209.59	11
12	T	1329.73	1312.70	1311.72	1140.56	1123.54	1122.55	10
13	V	1428.79	1411.77	1410.78	1039.52	1022.49	1021.51	9
14	N	1542.84	1525.81	1524.83	940.45	923.42	922.44	8
15	N	1656.88	1639.85	1638.87	826.41	809.38	808.39	7
16	E	1785.92	1768.90	1767.91	712.36	695.34	694.35	6
17	E	1914.97	1897.94	1896.95	583.32	566.29	565.31	5
18	H	2052.02	2035.00	2034.01	454.28	437.25	436.27	4
19	V	2151.09	2134.07	2133.08	317.22	300.19	299.21	3
20	A	2222.13	2205.10	2204.12	218.15	201.12	200.14	2
21	K	-	-	-	147.11	130.09	129.10	1

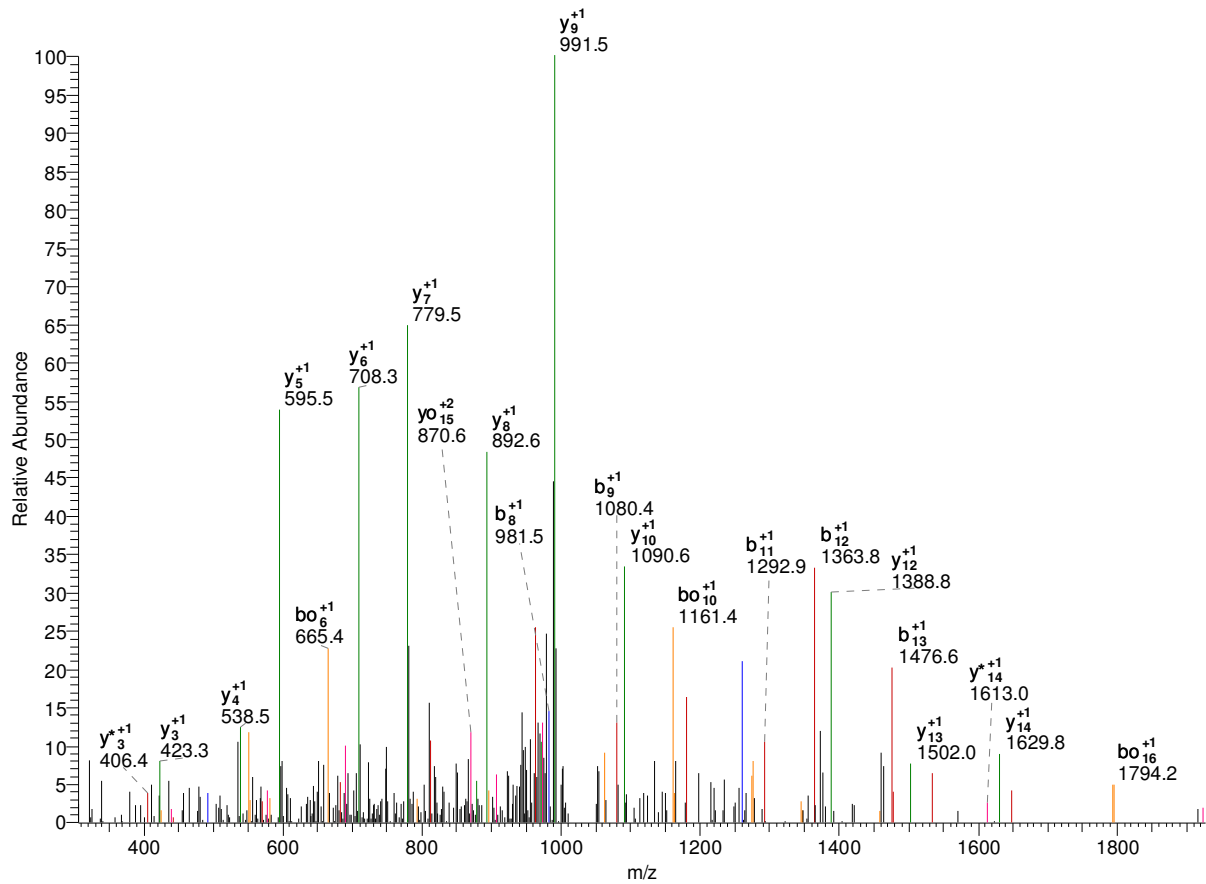
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	21
2	K	129.58	121.06	120.57	1120.10	1111.59	1111.09	20
3	A	165.09	156.58	156.09	1056.05	1047.54	1047.05	19
4	E	229.62	221.10	220.61	1020.53	1012.02	1011.53	18
5	V	279.15	270.64	270.14	956.01	947.50	947.01	17
6	T	329.67	321.16	320.67	906.48	897.97	897.47	16
7	K*	414.73	406.21	405.72	855.95	847.44	846.95	15
8	I	471.27	462.76	462.26	770.90	762.39	761.90	14
9	T	521.79	513.28	512.79	714.36	705.85	705.35	13
10	V	571.33	562.81	562.32	663.84	655.32	654.83	12
11	S	614.84	606.33	605.84	614.30	605.79	605.30	11
12	T	665.37	656.85	656.36	570.79	562.27	561.78	10
13	V	714.90	706.39	705.90	520.26	511.75	511.26	9
14	N	771.92	763.41	762.92	470.73	462.21	461.72	8
15	N	828.94	820.43	819.94	413.71	405.19	404.70	7
16	E	893.47	884.95	884.46	356.68	348.17	347.68	6
17	E	957.99	949.47	948.98	292.16	283.65	283.16	5
18	H	1026.52	1018.00	1017.51	227.64	219.13	218.64	4
19	V	1076.05	1067.54	1067.04	159.11	150.60	150.11	3
20	A	1111.57	1103.06	1102.56	109.58	101.07	100.57	2
21	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	E	44.02	38.35	38.02	-	-	-	21
2	K	86.72	81.04	80.72	747.07	741.39	741.07	20
3	A	110.40	104.72	104.40	704.37	698.70	698.37	19
4	E	153.41	147.74	147.41	680.69	675.02	674.69	18
5	V	186.44	180.76	180.43	637.68	632.00	631.67	17
6	T	220.12	214.44	214.11	604.65	598.98	598.65	16
7	K*	276.82	271.14	270.82	570.97	565.30	564.97	15
8	I	314.51	308.84	308.51	514.27	508.59	508.27	14
9	T	348.20	342.52	342.19	476.58	470.90	470.57	13
10	V	381.22	375.54	375.22	442.89	437.22	436.89	12
11	S	410.23	404.56	404.23	409.87	404.19	403.87	11
12	T	443.91	438.24	437.91	380.86	375.18	374.86	10
13	V	476.94	471.26	470.93	347.18	341.50	341.17	9
14	N	514.95	509.28	508.95	314.15	308.48	308.15	8
15	N	552.96	547.29	546.96	276.14	270.46	270.14	7
16	E	595.98	590.30	589.98	238.13	232.45	232.12	6
17	E	638.99	633.32	632.99	195.11	189.44	189.11	5
18	H	684.68	679.00	678.68	152.10	146.42	146.09	4
19	V	717.70	712.03	711.70	106.41	100.74	100.41	3
20	A	741.38	735.71	735.38	73.39	67.71	67.38	2
21	K	-	-	-	49.71	44.03	43.71	1

-

2071.18 R.ELAQQIQK*VVLALGDYLK.V
 psu|PF14_0655 | organism=Plasmodium_falciparum_3D7 | product=RNA helicase-1, putative
 | location=MA101 - 119
 #10155-10155 NL: 9.66E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	18
2	L	243.13	226.11	225.12	1942.14	1925.11	1924.13	17
3	A	314.17	297.14	296.16	1829.05	1812.03	1811.04	16
4	Q	442.23	425.20	424.22	1758.02	1740.99	1740.01	15
5	Q	570.29	553.26	552.28	1629.96	1612.93	1611.95	14
6	I	683.37	666.35	665.36	1501.90	1484.87	1483.89	13
7	Q	811.43	794.40	793.42	1388.81	1371.79	1370.80	12
8	K*	981.54	964.51	963.53	1260.76	1243.73	1242.75	11
9	V	1080.60	1063.58	1062.59	1090.65	1073.62	1072.64	10
10	V	1179.67	1162.65	1161.66	991.58	974.56	973.57	9
11	L	1292.76	1275.73	1274.75	892.51	875.49	874.50	8
12	A	1363.79	1346.77	1345.78	779.43	762.40	761.42	7
13	L	1476.88	1459.85	1458.87	708.39	691.37	690.38	6
14	G	1533.90	1516.87	1515.89	595.31	578.28	577.30	5
15	D	1648.93	1631.90	1630.92	538.29	521.26	520.28	4
16	Y	1811.99	1794.96	1793.98	423.26	406.23	405.25	3
17	L	1925.07	1908.05	1907.06	260.20	243.17	242.19	2
18	K	-	-	-	147.11	130.09	129.10	1

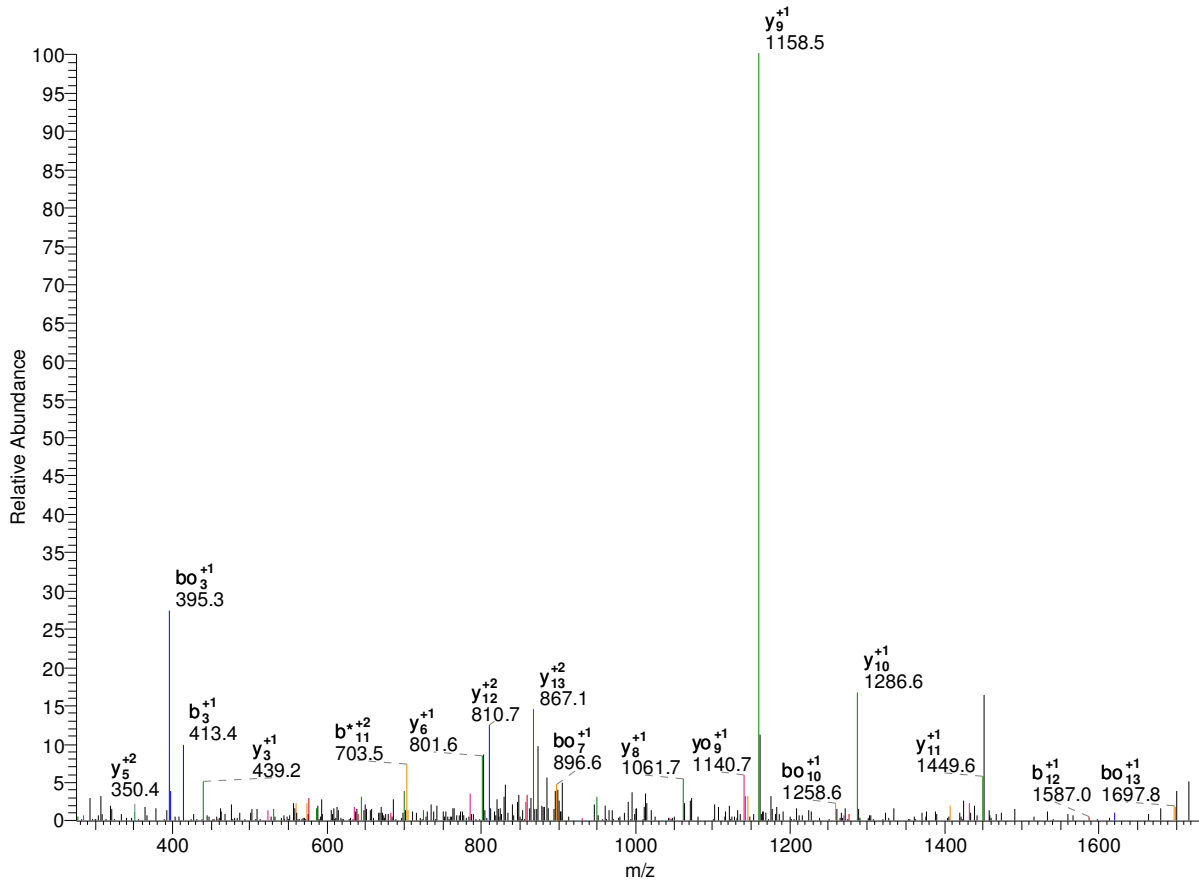
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	18

2	L	122.07	113.56	113.07	971.57	963.06	962.57	17
3	A	157.59	149.08	148.58	915.03	906.52	906.02	16
4	Q	221.62	213.11	212.61	879.51	871.00	870.51	15
5	Q	285.65	277.13	276.64	815.48	806.97	806.48	14
6	I	342.19	333.68	333.18	751.45	742.94	742.45	13
7	Q	406.22	397.71	397.21	694.91	686.40	685.91	12
8	K*	491.27	482.76	482.27	630.88	622.37	621.88	11
9	V	540.81	532.29	531.80	545.83	537.32	536.82	10
10	V	590.34	581.83	581.33	496.29	487.78	487.29	9
11	L	646.88	638.37	637.88	446.76	438.25	437.76	8
12	A	682.40	673.89	673.40	390.22	381.71	381.21	7
13	L	738.94	730.43	729.94	354.70	346.19	345.69	6
14	G	767.45	758.94	758.45	298.16	289.64	289.15	5
15	D	824.97	816.45	815.96	269.65	261.13	260.64	4
16	Y	906.50	897.99	897.49	212.13	203.62	203.13	3
17	L	963.04	954.53	954.04	130.60	122.09	121.60	2
18	K	-	-	-	74.06	65.55	65.05	1

—

1861.97 K.ELK*YKPLFTNFYEK.H
 psu|PF13_0179 | organism=Plasmodium_falciparum_3D7 | product=isoleucine--tRNA ligase,
 putative | lo461 - 475
 #6671-6671 NL:3.64E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	14
2	L	243.13	226.11	225.12	1732.93	1715.90	1714.92	13
3	K*	413.24	396.21	395.23	1619.85	1602.82	1601.84	12
4	Y	576.30	559.28	558.29	1449.74	1432.71	1431.73	11
5	K	704.40	687.37	686.39	1286.68	1269.65	1268.67	10
6	P	801.45	784.42	783.44	1158.58	1141.56	1140.57	9
7	L	914.53	897.51	896.52	1061.53	1044.50	1043.52	8
8	F	1061.60	1044.58	1043.59	948.45	931.42	930.44	7
9	T	1162.65	1145.62	1144.64	801.38	784.35	783.37	6
10	N	1276.69	1259.67	1258.68	700.33	683.30	682.32	5
11	F	1423.76	1406.74	1405.75	586.29	569.26	568.28	4
12	Y	1586.83	1569.80	1568.81	439.22	422.19	421.21	3
13	E	1715.87	1698.84	1697.86	276.16	259.13	258.14	2
14	K	-	-	-	147.11	130.09	129.10	1

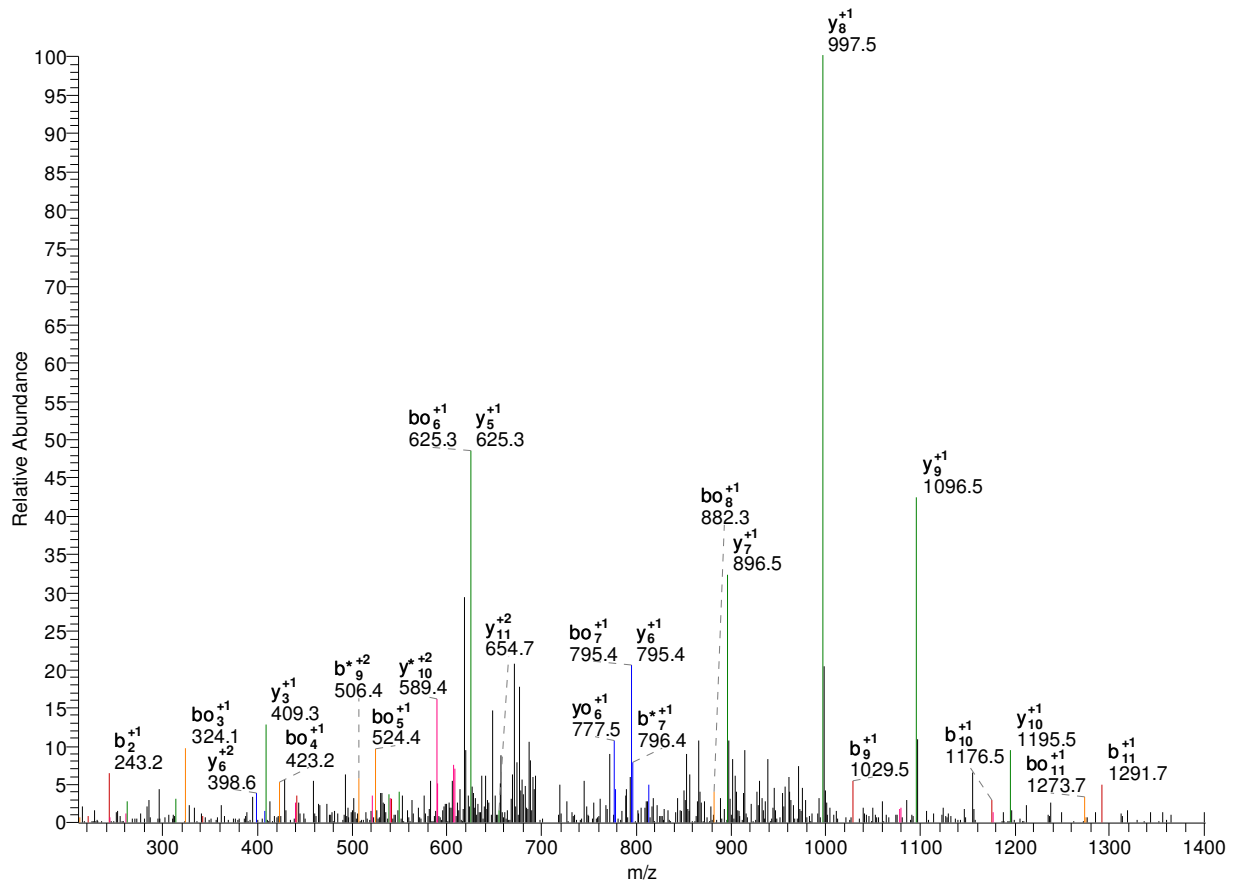
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	14
2	L	122.07	113.56	113.07	866.97	858.46	857.96	13
3	K*	207.12	198.61	198.12	810.43	801.91	801.42	12
4	Y	288.66	280.14	279.65	725.37	716.86	716.37	11
5	K	352.70	344.19	343.70	643.84	635.33	634.84	10

6	P	401.23	392.72	392.22	579.80	571.28	570.79	9
7	L	457.77	449.26	448.77	531.27	522.76	522.26	8
8	F	531.31	522.79	522.30	474.73	466.21	465.72	7
9	T	581.83	573.32	572.82	401.19	392.68	392.19	6
10	N	638.85	630.34	629.85	350.67	342.16	341.66	5
11	F	712.38	703.87	703.38	293.65	285.13	284.64	4
12	Y	793.92	785.40	784.91	220.11	211.60	211.11	3
13	E	858.44	849.92	849.43	138.58	130.07	129.58	2
14	K	-	-	-	74.06	65.55	65.05	1

-

1437.75 K.ELVVTK*SEFDK.S
 psu|PFL0280c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 284 - 296
 #4157-4157 NL:2.84E2



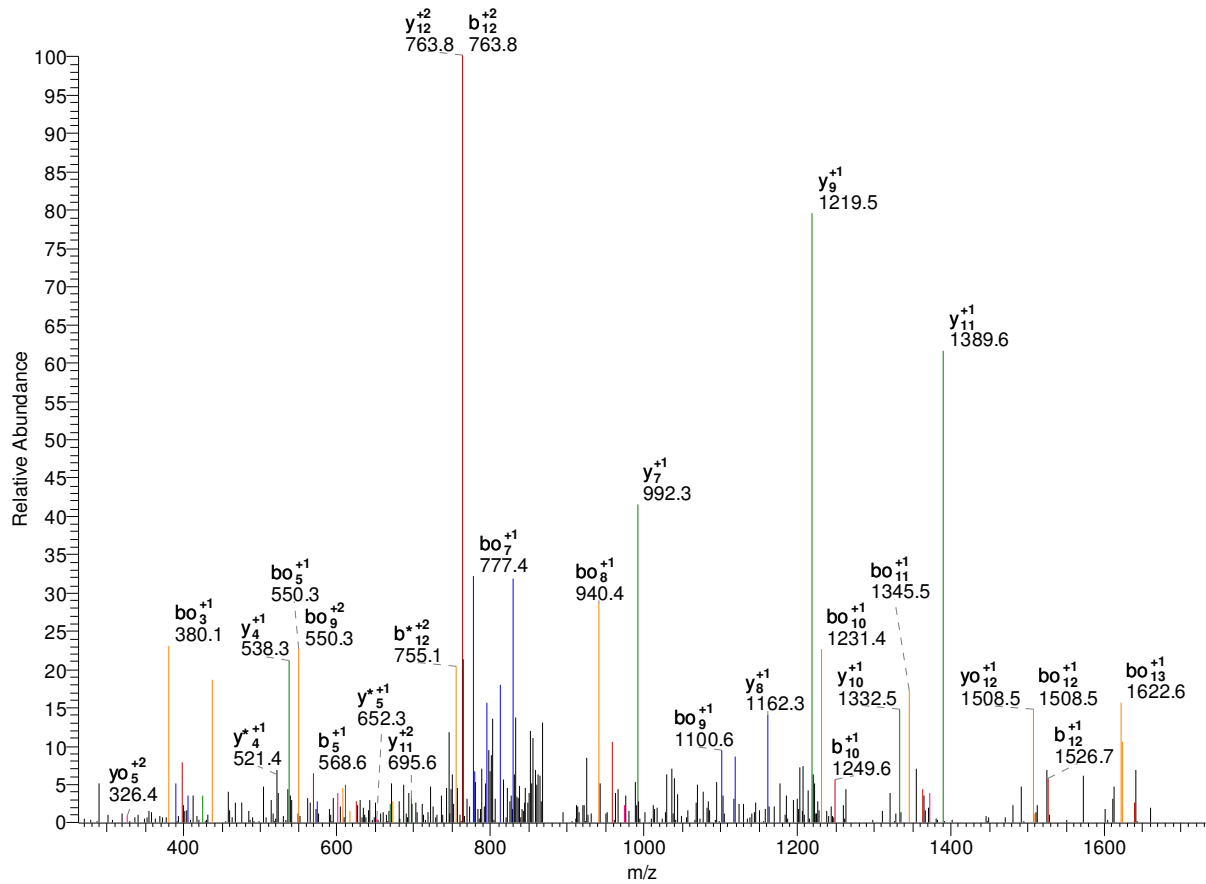
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	12
2	L	243.13	226.11	225.12	1308.70	1291.68	1290.69	11
3	V	342.20	325.18	324.19	1195.62	1178.59	1177.61	10
4	V	441.27	424.24	423.26	1096.55	1079.53	1078.54	9
5	T	542.32	525.29	524.31	997.48	980.46	979.47	8
6	T	643.37	626.34	625.36	896.44	879.41	878.43	7
7	K*	813.47	796.45	795.46	795.39	778.36	777.38	6
8	S	900.50	883.48	882.49	625.28	608.26	607.27	5
9	E	1029.55	1012.52	1011.54	538.25	521.22	520.24	4
10	F	1176.61	1159.59	1158.60	409.21	392.18	391.20	3
11	D	1291.64	1274.62	1273.63	262.14	245.11	244.13	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	12
2	L	122.07	113.56	113.07	654.86	646.34	645.85	11
3	V	171.60	163.09	162.60	598.31	589.80	589.31	10
4	V	221.14	212.63	212.13	548.78	540.27	539.77	9
5	T	271.66	263.15	262.66	499.25	490.73	490.24	8
6	T	322.19	313.67	313.18	448.72	440.21	439.72	7
7	K*	407.24	398.73	398.23	398.20	389.68	389.19	6

8	S	450.76	442.24	441.75	313.15	304.63	304.14	5
9	E	515.28	506.76	506.27	269.63	261.12	260.62	4
10	F	588.81	580.30	579.81	205.11	196.59	196.10	3
11	D	646.32	637.81	637.32	131.57	123.06	122.57	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1786.77 K.EMHGLGK*YC@MNYNK.T
 psu|PFC0780w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 892 - 906
 #3092-3092 NL: 1.78E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	14
2	M	261.09	244.06	243.08	1657.73	1640.70	1639.72	13
3	H	398.15	381.12	380.14	1526.69	1509.66	1508.68	12
4	G	455.17	438.14	437.16	1389.63	1372.60	1371.62	11
5	L	568.25	551.23	550.24	1332.61	1315.58	1314.60	10
6	G	625.28	608.25	607.27	1219.52	1202.50	1201.51	9
7	K*	795.38	778.36	777.37	1162.50	1145.48	1144.49	8
8	Y	958.45	941.42	940.43	992.40	975.37	974.39	7
9	C@	1118.48	1101.45	1100.47	829.33	812.31	811.32	6
10	M	1249.52	1232.49	1231.51	669.30	652.28	651.29	5
11	N	1363.56	1346.53	1345.55	538.26	521.24	520.25	4
12	Y	1526.62	1509.60	1508.61	424.22	407.19	406.21	3
13	N	1640.67	1623.64	1622.65	261.16	244.13	243.15	2
14	K	-	-	-	147.11	130.09	129.10	1

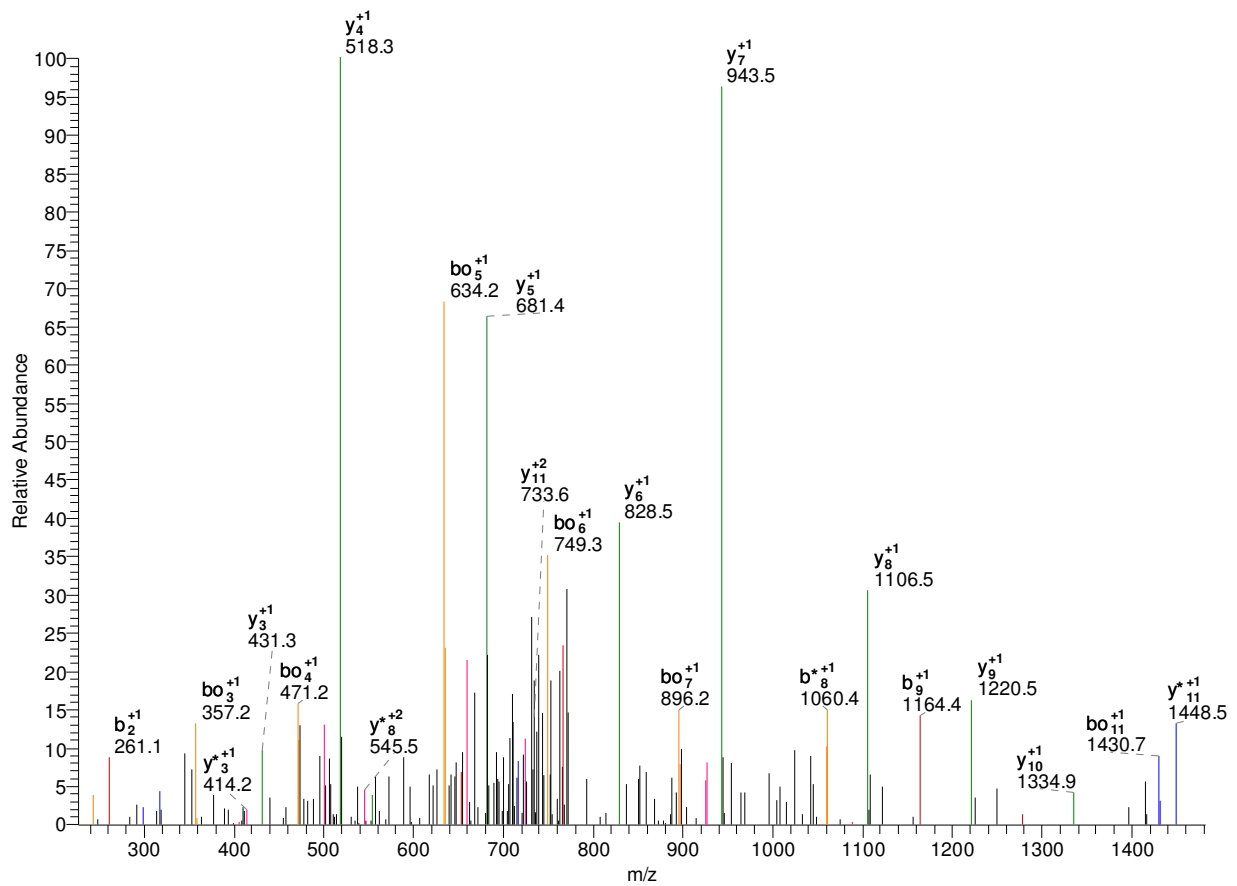
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	14
2	M	131.05	122.54	122.04	829.37	820.85	820.36	13
3	H	199.58	191.06	190.57	763.85	755.33	754.84	12
4	G	228.09	219.58	219.08	695.32	686.80	686.31	11
5	L	284.63	276.12	275.63	666.81	658.29	657.80	10

6	G	313.14	304.63	304.14	610.27	601.75	601.26	9
7	K*	398.19	389.68	389.19	581.75	573.24	572.75	8
8	Y	479.73	471.21	470.72	496.70	488.19	487.70	7
9	C@	559.74	551.23	550.74	415.17	406.66	406.16	6
10	M	625.26	616.75	616.26	335.15	326.64	326.15	5
11	N	682.28	673.77	673.28	269.63	261.12	260.63	4
12	Y	763.81	755.30	754.81	212.61	204.10	203.61	3
13	N	820.84	812.32	811.83	131.08	122.57	122.08	2
14	K	-	-	-	74.06	65.55	65.05	1

-

1594.68 K.EMNNYDFYSNK*K.M
 psu|PFF0200c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 1923 - 1935
 #2376-2376 NL: 5.75E1



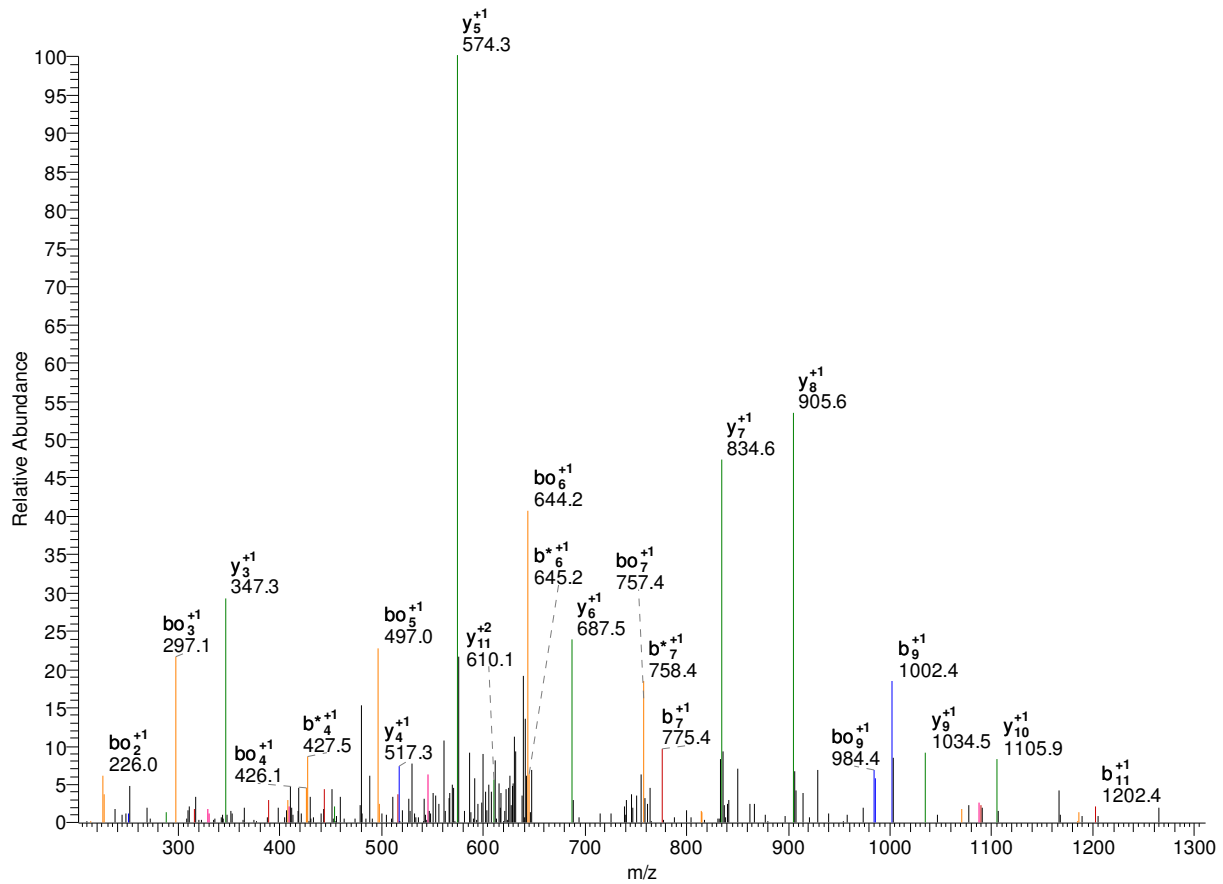
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	12
2	M	261.09	244.06	243.08	1465.64	1448.62	1447.63	11
3	N	375.13	358.11	357.12	1334.60	1317.57	1316.59	10
4	N	489.18	472.15	471.17	1220.56	1203.53	1202.55	9
5	Y	652.24	635.21	634.23	1106.52	1089.49	1088.50	8
6	D	767.27	750.24	749.26	943.45	926.43	925.44	7
7	F	914.33	897.31	896.32	828.43	811.40	810.41	6
8	Y	1077.40	1060.37	1059.39	681.36	664.33	663.35	5
9	S	1164.43	1147.40	1146.42	518.29	501.27	500.28	4
10	N	1278.47	1261.45	1260.46	431.26	414.23	413.25	3
11	K*	1448.58	1431.55	1430.57	317.22	300.19	299.21	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	12
2	M	131.05	122.54	122.04	733.32	724.81	724.32	11
3	N	188.07	179.56	179.06	667.80	659.29	658.80	10
4	N	245.09	236.58	236.09	610.78	602.27	601.78	9
5	Y	326.62	318.11	317.62	553.76	545.25	544.76	8
6	D	384.14	375.62	375.13	472.23	463.72	463.22	7
7	F	457.67	449.16	448.67	414.72	406.20	405.71	6

8	Y	539.20	530.69	530.20	341.18	332.67	332.18	5
9	S	582.72	574.21	573.71	259.65	251.14	250.65	4
10	N	639.74	631.23	630.73	216.13	207.62	207.13	3
11	K*	724.79	716.28	715.79	159.11	150.60	150.11	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1348.71 K.ENAEAFGLK*SIK.N
 psu|PF08_0054 | organism=Plasmodium_falciparum_3D7 | product=heat shock 70 kDa protein
 | location=M 140 - 152
 #3918-3918 NL: 1.30E2



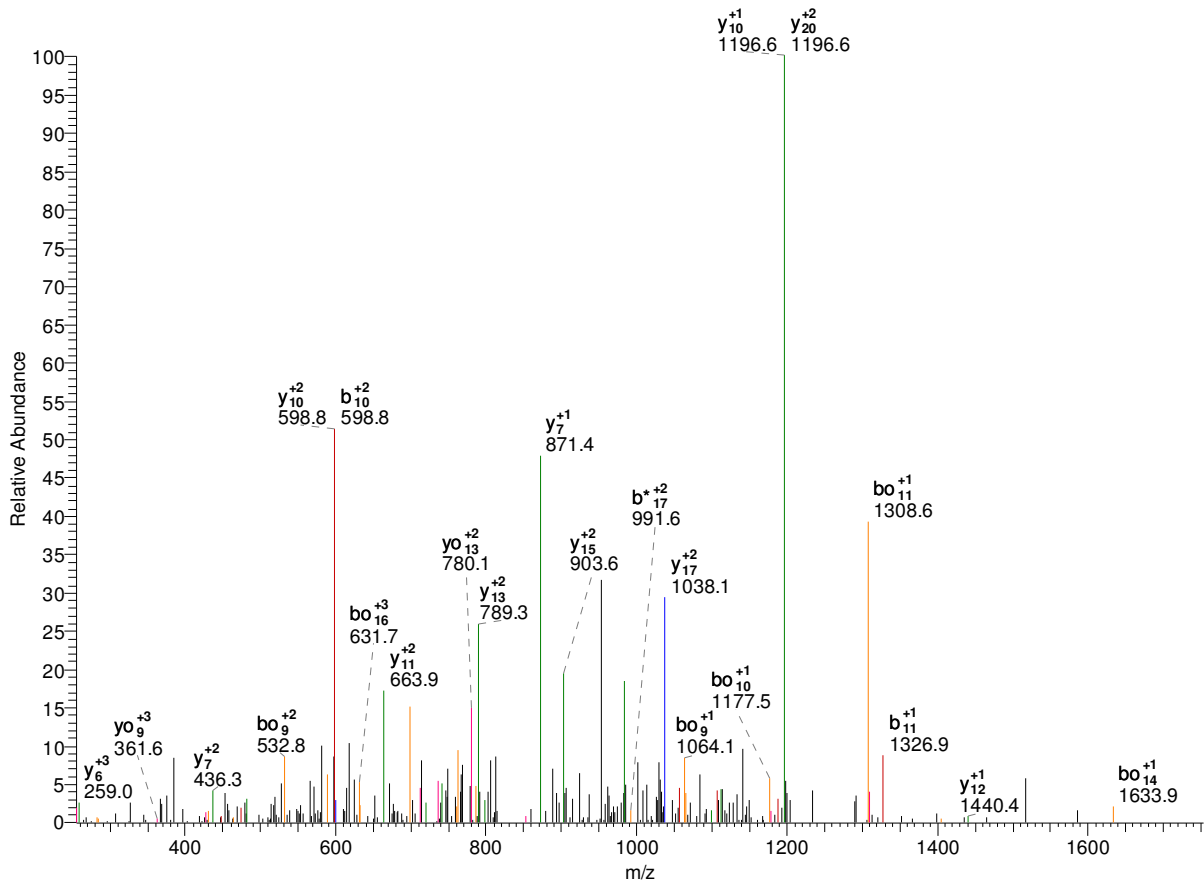
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	12
2	N	244.09	227.07	226.08	1219.67	1202.64	1201.66	11
3	A	315.13	298.10	297.12	1105.63	1088.60	1087.61	10
4	E	444.17	427.15	426.16	1034.59	1017.56	1016.58	9
5	A	515.21	498.18	497.20	905.55	888.52	887.53	8
6	F	662.28	645.25	644.27	834.51	817.48	816.50	7
7	L	775.36	758.34	757.35	687.44	670.41	669.43	6
8	G	832.38	815.36	814.37	574.36	557.33	556.35	5
9	K*	1002.49	985.46	984.48	517.33	500.31	499.32	4
10	S	1089.52	1072.49	1071.51	347.23	330.20	329.22	3
11	I	1202.61	1185.58	1184.59	260.20	243.17	242.19	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	12
2	N	122.55	114.04	113.54	610.34	601.82	601.33	11
3	A	158.07	149.56	149.06	553.32	544.80	544.31	10
4	E	222.59	214.08	213.58	517.80	509.28	508.79	9
5	A	258.11	249.60	249.10	453.28	444.76	444.27	8
6	F	331.64	323.13	322.64	417.76	409.24	408.75	7
7	L	388.18	379.67	379.18	344.22	335.71	335.22	6

8	G	416.70	408.18	407.69	287.68	279.17	278.68	5
9	K*	501.75	493.23	492.74	259.17	250.66	250.17	4
10	S	545.26	536.75	536.26	174.12	165.60	165.11	3
11	I	601.81	593.29	592.80	130.60	122.09	121.60	2
12	K	-	-	-	74.06	65.55	65.05	1

-

2522.23 K.ENGFK*VDIHLMPDLPYSDVYK.D
 psu|PFL1345c | organism=Plasmodium_falciparum_3D7 | product=radical SAM protein,
 putative | locatio 514 - 535
 #8933-8933 NL: 1.17E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	21
2	N	244.09	227.07	226.08	2393.18	2376.16	2375.17	20
3	G	301.11	284.09	283.10	2279.14	2262.12	2261.13	19
4	F	448.18	431.16	430.17	2222.12	2205.09	2204.11	18
5	K*	618.29	601.26	600.28	2075.05	2058.03	2057.04	17
6	V	717.36	700.33	699.35	1904.95	1887.92	1886.94	16
7	D	832.38	815.36	814.37	1805.88	1788.85	1787.87	15
8	I	945.47	928.44	927.46	1690.85	1673.82	1672.84	14
9	H	1082.53	1065.50	1064.52	1577.77	1560.74	1559.76	13
10	L	1195.61	1178.58	1177.60	1440.71	1423.68	1422.70	12
11	M	1326.65	1309.62	1308.64	1327.62	1310.60	1309.61	11
12	P	1423.70	1406.68	1405.69	1196.58	1179.56	1178.57	10
13	D	1538.73	1521.70	1520.72	1099.53	1082.50	1081.52	9
14	L	1651.81	1634.79	1633.80	984.50	967.48	966.49	8
15	P	1748.87	1731.84	1730.86	871.42	854.39	853.41	7
16	Y	1911.93	1894.90	1893.92	774.37	757.34	756.36	6
17	S	1998.96	1981.94	1980.95	611.30	594.28	593.29	5
18	D	2113.99	2096.96	2095.98	524.27	507.24	506.26	4
19	V	2213.06	2196.03	2195.05	409.24	392.22	391.23	3
20	Y	2376.12	2359.10	2358.11	310.18	293.15	292.17	2
21	K	-	-	-	147.11	130.09	129.10	1

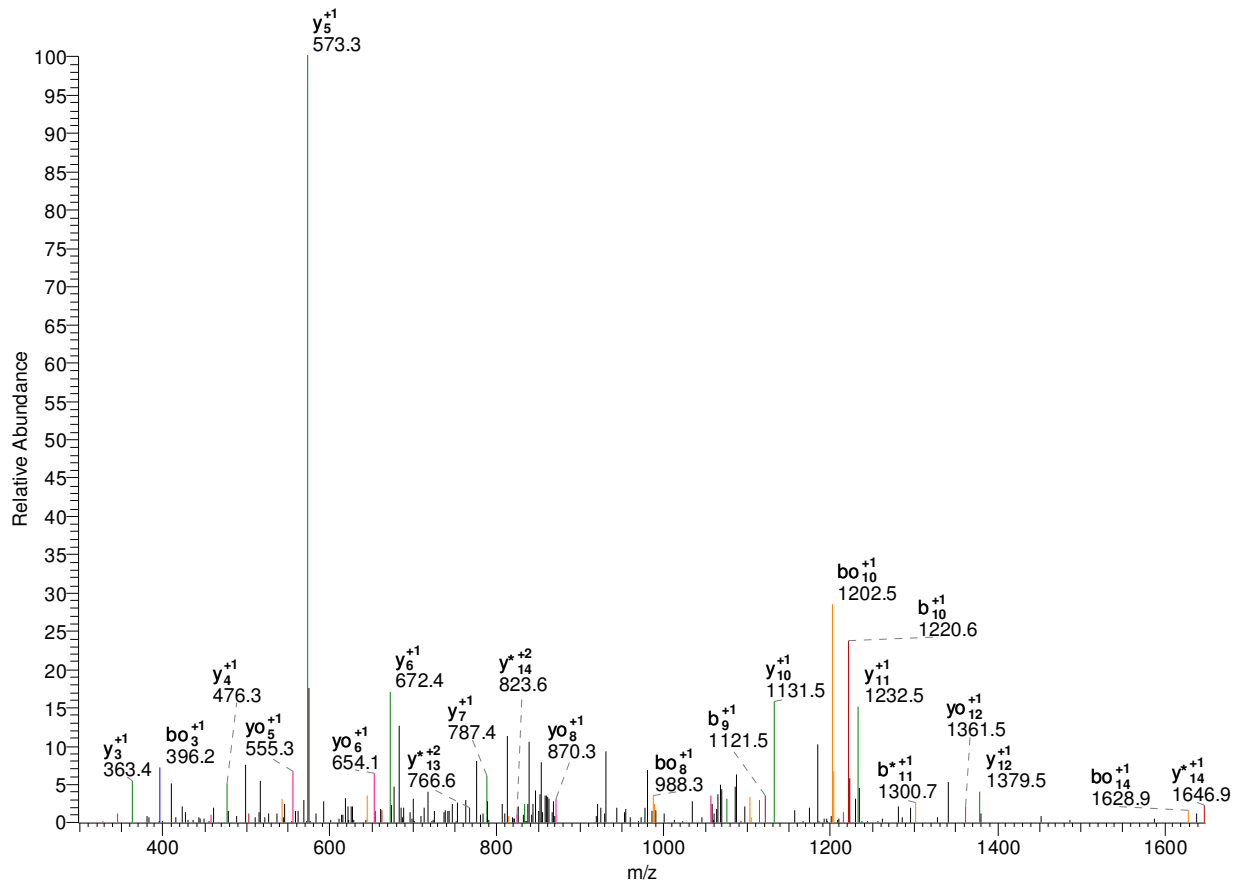
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	21
2	N	122.55	114.04	113.54	1197.10	1188.58	1188.09	20
3	G	151.06	142.55	142.06	1140.07	1131.56	1131.07	19
4	F	224.59	216.08	215.59	1111.56	1103.05	1102.56	18
5	K*	309.65	301.13	300.64	1038.03	1029.52	1029.02	17
6	V	359.18	350.67	350.18	952.98	944.46	943.97	16
7	D	416.70	408.18	407.69	903.44	894.93	894.44	15
8	I	473.24	464.72	464.23	845.93	837.42	836.92	14
9	H	541.77	533.25	532.76	789.39	780.87	780.38	13
10	L	598.31	589.80	589.30	720.86	712.34	711.85	12
11	M	663.83	655.32	654.82	664.32	655.80	655.31	11
12	P	712.36	703.84	703.35	598.80	590.28	589.79	10
13	D	769.87	761.36	760.86	550.27	541.76	541.26	9
14	L	826.41	817.90	817.41	492.76	484.24	483.75	8
15	P	874.94	866.42	865.93	436.21	427.70	427.21	7
16	Y	956.47	947.96	947.46	387.69	379.17	378.68	6
17	S	999.99	991.47	990.98	306.16	297.64	297.15	5
18	D	1057.50	1048.99	1048.49	262.64	254.13	253.63	4
19	V	1107.03	1098.52	1098.03	205.13	196.61	196.12	3
20	Y	1188.56	1180.05	1179.56	155.59	147.08	146.59	2
21	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	E	44.02	38.35	38.02	-	-	-	21
2	N	82.04	76.36	76.03	798.40	792.72	792.40	20
3	G	101.04	95.37	95.04	760.39	754.71	754.38	19
4	F	150.07	144.39	144.06	741.38	735.70	735.37	18
5	K*	206.77	201.09	200.76	692.36	686.68	686.35	17
6	V	239.79	234.11	233.79	635.65	629.98	629.65	16
7	D	278.13	272.46	272.13	602.63	596.96	596.63	15
8	I	315.83	310.15	309.82	564.29	558.61	558.28	14
9	H	361.51	355.84	355.51	526.59	520.92	520.59	13
10	L	399.21	393.53	393.20	480.91	475.23	474.90	12
11	M	442.89	437.21	436.89	443.21	437.54	437.21	11
12	P	475.24	469.56	469.24	399.53	393.86	393.53	10
13	D	513.58	507.91	507.58	367.18	361.51	361.18	9
14	L	551.28	545.60	545.27	328.84	323.16	322.84	8
15	P	583.63	577.95	577.62	291.14	285.47	285.14	7
16	Y	637.98	632.31	631.98	258.79	253.12	252.79	6
17	S	666.99	661.32	660.99	204.44	198.76	198.44	5
18	D	705.33	699.66	699.33	175.43	169.75	169.43	4
19	V	738.36	732.68	732.35	137.09	131.41	131.08	3
20	Y	792.71	787.04	786.71	104.06	98.39	98.06	2
21	K	-	-	-	49.71	44.03	43.71	1

-

1792.88 K.ENK*FTGWTDVPLSEK.G
 psu|PF11_0208 | organism=Plasmodium_falciparum_3D7 | product=phosphoglycerate mutase,
 putative | lo18 - 33
 #5083-5083 NL: 1.80E2



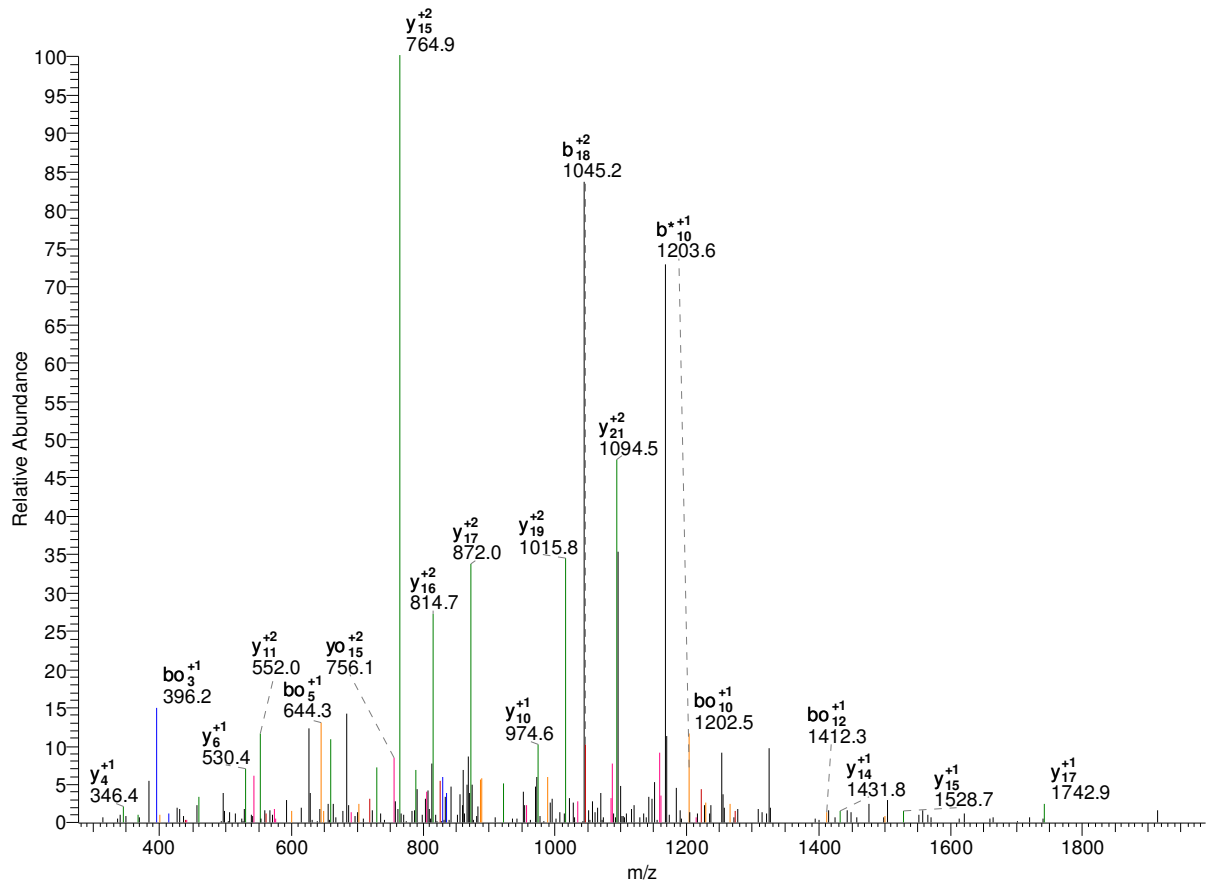
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	15
2	N	244.09	227.07	226.08	1663.83	1646.81	1645.82	14
3	K*	414.20	397.17	396.19	1549.79	1532.76	1531.78	13
4	F	561.27	544.24	543.26	1379.68	1362.66	1361.67	12
5	T	662.31	645.29	644.30	1232.62	1215.59	1214.61	11
6	G	719.34	702.31	701.33	1131.57	1114.54	1113.56	10
7	W	905.42	888.39	887.40	1074.55	1057.52	1056.54	9
8	T	1006.46	989.44	988.45	888.47	871.44	870.46	8
9	D	1121.49	1104.46	1103.48	787.42	770.39	769.41	7
10	V	1220.56	1203.53	1202.55	672.39	655.37	654.38	6
11	P	1317.61	1300.58	1299.60	573.32	556.30	555.31	5
12	L	1430.70	1413.67	1412.68	476.27	459.24	458.26	4
13	S	1517.73	1500.70	1499.72	363.19	346.16	345.18	3
14	E	1646.77	1629.74	1628.76	276.16	259.13	258.14	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	15
2	N	122.55	114.04	113.54	832.42	823.91	823.41	14
3	K*	207.60	199.09	198.60	775.40	766.89	766.39	13
4	F	281.14	272.62	272.13	690.35	681.83	681.34	12

5	T	331.66	323.15	322.66	616.81	608.30	607.81	11
6	G	360.17	351.66	351.17	566.29	557.77	557.28	10
7	W	453.21	444.70	444.21	537.78	529.26	528.77	9
8	T	503.74	495.22	494.73	444.74	436.22	435.73	8
9	D	561.25	552.74	552.24	394.21	385.70	385.21	7
10	V	610.78	602.27	601.78	336.70	328.19	327.69	6
11	P	659.31	650.80	650.30	287.17	278.65	278.16	5
12	L	715.85	707.34	706.85	238.64	230.13	229.63	4
13	S	759.37	750.85	750.36	182.10	173.58	173.09	3
14	E	823.89	815.38	814.88	138.58	130.07	129.58	2
15	K	-	-	-	74.06	65.55	65.05	1

-

2748.34 K.ENK*FTGWTDPVLPSEKGEAAIAAGK.Y
 psu|PF11_0208 | organism=Plasmodium_falciparum_3D7 | product=phosphoglycerate mutase,
 putative | lo18 - 43
 #6243-6243 NL:1.74E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	25
2	N	244.09	227.07	226.08	2619.29	2602.27	2601.28	24
3	K*	414.20	397.17	396.19	2505.25	2488.22	2487.24	23
4	F	561.27	544.24	543.26	2335.15	2318.12	2317.13	22
5	T	662.31	645.29	644.30	2188.08	2171.05	2170.07	21
6	G	719.34	702.31	701.33	2087.03	2070.00	2069.02	20
7	W	905.42	888.39	887.40	2030.01	2012.98	2012.00	19
8	T	1006.46	989.44	988.45	1843.93	1826.90	1825.92	18
9	D	1121.49	1104.46	1103.48	1742.88	1725.85	1724.87	17
10	V	1220.56	1203.53	1202.55	1627.85	1610.83	1609.84	16
11	P	1317.61	1300.58	1299.60	1528.79	1511.76	1510.77	15
12	L	1430.70	1413.67	1412.68	1431.73	1414.71	1413.72	14
13	S	1517.73	1500.70	1499.72	1318.65	1301.62	1300.64	13
14	E	1646.77	1629.74	1628.76	1231.62	1214.59	1213.61	12
15	K	1774.86	1757.84	1756.85	1102.57	1085.55	1084.56	11
16	G	1831.89	1814.86	1813.88	974.48	957.45	956.47	10
17	E	1960.93	1943.90	1942.92	917.46	900.43	899.45	9
18	E	2089.97	2072.94	2071.96	788.41	771.39	770.40	8
19	E	2219.01	2201.99	2201.00	659.37	642.35	641.36	7
20	A	2290.05	2273.02	2272.04	530.33	513.30	512.32	6
21	I	2403.14	2386.11	2385.12	459.29	442.27	441.28	5
22	A	2474.17	2457.15	2456.16	346.21	329.18	328.20	4

23	A	2545.21	2528.18	2527.20	275.17	258.14	257.16	3
24	G	2602.23	2585.20	2584.22	204.13	187.11	186.12	2
25	K	-	-	-	147.11	130.09	129.10	1

-

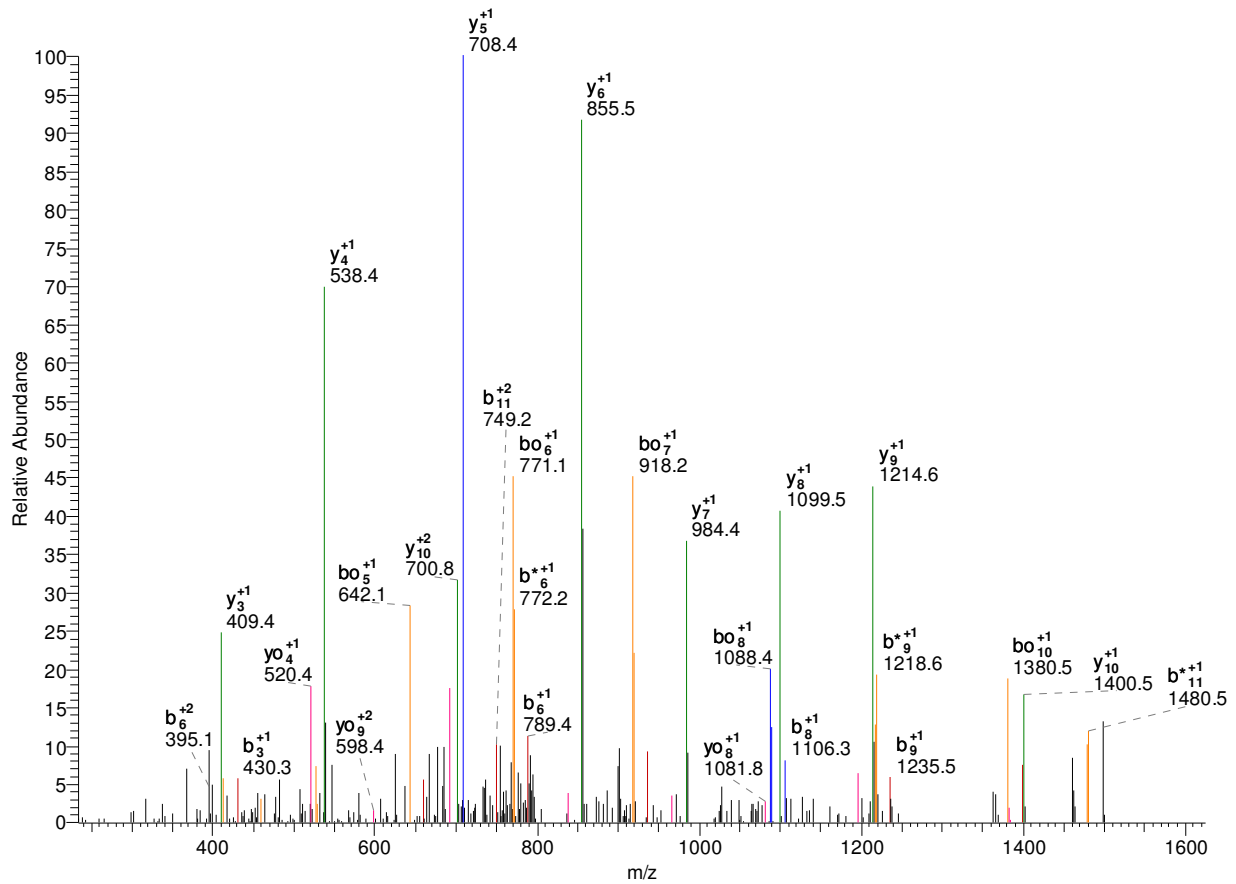
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	25
2	N	122.55	114.04	113.54	1310.15	1301.64	1301.15	24
3	K*	207.60	199.09	198.60	1253.13	1244.62	1244.12	23
4	F	281.14	272.62	272.13	1168.08	1159.56	1159.07	22
5	T	331.66	323.15	322.66	1094.54	1086.03	1085.54	21
6	G	360.17	351.66	351.17	1044.02	1035.50	1035.01	20
7	W	453.21	444.70	444.21	1015.51	1006.99	1006.50	19
8	T	503.74	495.22	494.73	922.47	913.95	913.46	18
9	D	561.25	552.74	552.24	871.94	863.43	862.94	17
10	V	610.78	602.27	601.78	814.43	805.92	805.43	16
11	P	659.31	650.80	650.30	764.90	756.38	755.89	15
12	L	715.85	707.34	706.85	716.37	707.86	707.36	14
13	S	759.37	750.85	750.36	659.83	651.31	650.82	13
14	E	823.89	815.38	814.88	616.31	607.80	607.31	12
15	K	887.94	879.42	878.93	551.79	543.28	542.79	11
16	G	916.45	907.93	907.44	487.74	479.23	478.74	10
17	E	980.97	972.45	971.96	459.23	450.72	450.23	9
18	E	1045.49	1036.98	1036.48	394.71	386.20	385.71	8
19	E	1110.01	1101.50	1101.01	330.19	321.68	321.18	7
20	A	1145.53	1137.02	1136.52	265.67	257.16	256.66	6
21	I	1202.07	1193.56	1193.07	230.15	221.64	221.14	5
22	A	1237.59	1229.08	1228.58	173.61	165.09	164.60	4
23	A	1273.11	1264.60	1264.10	138.09	129.58	129.08	3
24	G	1301.62	1293.11	1292.61	102.57	94.06	93.57	2
25	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	E	44.02	38.35	38.02	-	-	-	25
2	N	82.04	76.36	76.03	873.77	868.09	867.77	24
3	K*	138.74	133.06	132.73	835.76	830.08	829.75	23
4	F	187.76	182.08	181.76	779.05	773.38	773.05	22
5	T	221.44	215.77	215.44	730.03	724.35	724.03	21
6	G	240.45	234.77	234.45	696.35	690.67	690.34	20
7	W	302.48	296.80	296.47	677.34	671.67	671.34	19
8	T	336.16	330.48	330.16	615.31	609.64	609.31	18
9	D	374.50	368.83	368.50	581.63	575.96	575.63	17
10	V	407.52	401.85	401.52	543.29	537.61	537.29	16
11	P	439.88	434.20	433.87	510.27	504.59	504.26	15
12	L	477.57	471.89	471.57	477.92	472.24	471.91	14
13	S	506.58	500.91	500.58	440.22	434.55	434.22	13
14	E	549.59	543.92	543.59	411.21	405.53	405.21	12
15	K	592.29	586.62	586.29	368.20	362.52	362.19	11
16	G	611.30	605.62	605.30	325.50	319.82	319.49	10
17	E	654.31	648.64	648.31	306.49	300.82	300.49	9
18	E	697.33	691.65	691.33	263.48	257.80	257.47	8
19	E	740.34	734.67	734.34	220.46	214.79	214.46	7
20	A	764.02	758.35	758.02	177.45	171.77	171.44	6
21	I	801.72	796.04	795.71	153.77	148.09	147.77	5
22	A	825.40	819.72	819.39	116.07	110.40	110.07	4
23	A	849.07	843.40	843.07	92.40	86.72	86.39	3
24	G	868.08	862.41	862.08	68.72	63.04	62.71	2
25	K	-	-	-	49.71	44.03	43.71	1

-

1643.72 K.ENWDDEFK*EYVK.Q
 psu|MAL13P1.214 | organism=Plasmodium_falciparum_3D7 | product=phosphoethanolamine N-methyltransferase
 165 - 177
 #5913-5913 NL: 1.49E2



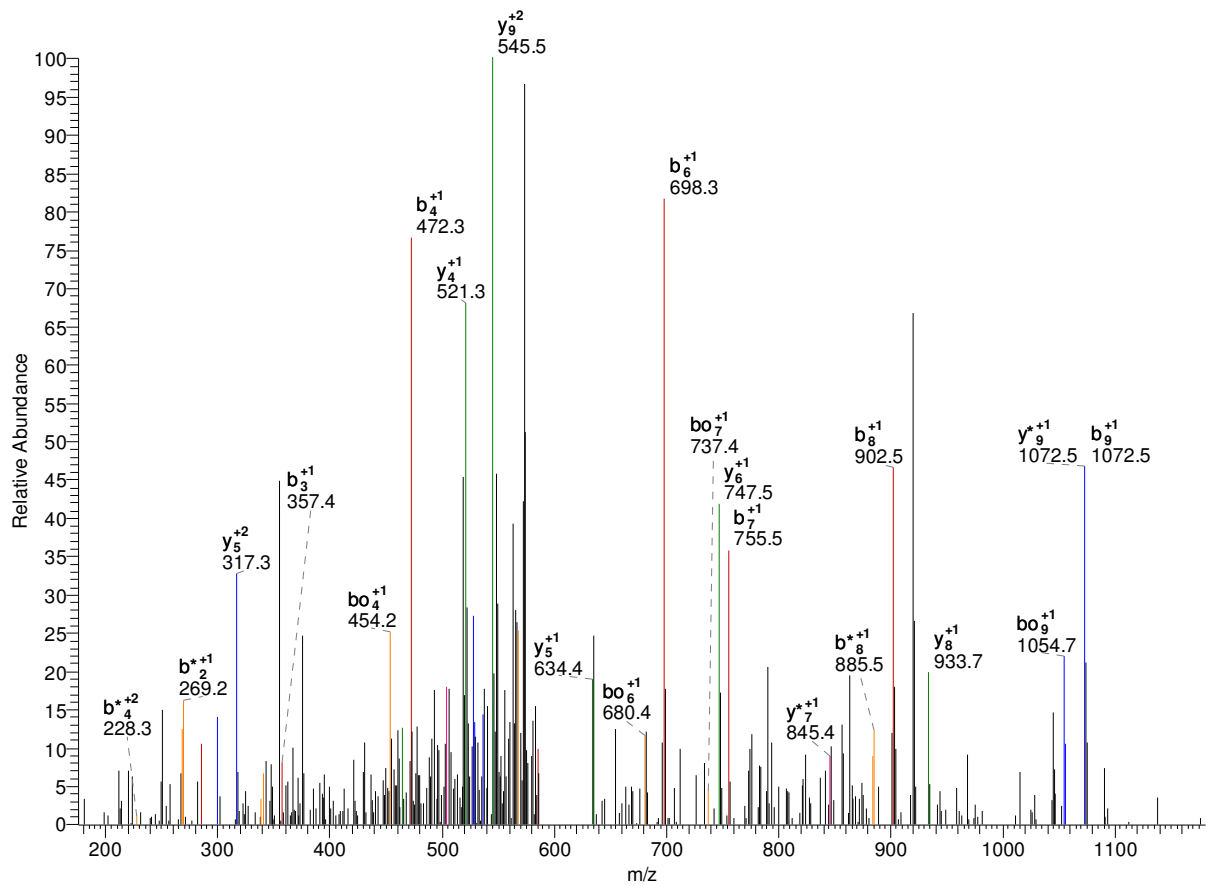
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	12
2	N	244.09	227.07	226.08	1514.68	1497.65	1496.67	11
3	W	430.17	413.15	412.16	1400.64	1383.61	1382.63	10
4	D	545.20	528.17	527.19	1214.56	1197.53	1196.55	9
5	D	660.23	643.20	642.22	1099.53	1082.50	1081.52	8
6	E	789.27	772.24	771.26	984.50	967.48	966.49	7
7	F	936.34	919.31	918.33	855.46	838.43	837.45	6
8	K*	1106.44	1089.42	1088.43	708.39	691.37	690.38	5
9	E	1235.49	1218.46	1217.47	538.29	521.26	520.28	4
10	Y	1398.55	1381.52	1380.54	409.24	392.22	391.23	3
11	V	1497.62	1480.59	1479.61	246.18	229.15	228.17	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	12
2	N	122.55	114.04	113.54	757.84	749.33	748.84	11
3	W	215.59	207.08	206.58	700.82	692.31	691.82	10
4	D	273.10	264.59	264.10	607.78	599.27	598.78	9
5	D	330.62	322.10	321.61	550.27	541.76	541.26	8
6	E	395.14	386.62	386.13	492.76	484.24	483.75	7
7	F	468.67	460.16	459.67	428.23	419.72	419.23	6

8	K*	553.72	545.21	544.72	354.70	346.19	345.69	5
9	E	618.25	609.73	609.24	269.65	261.13	260.64	4
10	Y	699.78	691.26	690.77	205.13	196.61	196.12	3
11	V	749.31	740.80	740.31	123.59	115.08	114.59	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1218.68 R.ERADIIGFK*K.V
 psu|MAL7P1.300 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loc 39 - 49
 #2726-2726 NL: 8.09E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	10
2	R	286.15	269.12	268.14	1089.64	1072.61	1071.63	9
3	A	357.19	340.16	339.18	933.54	916.51	915.53	8
4	D	472.22	455.19	454.20	862.50	845.48	844.49	7
5	I	585.30	568.27	567.29	747.48	730.45	729.47	6
6	I	698.38	681.36	680.37	634.39	617.37	616.38	5
7	G	755.40	738.38	737.39	521.31	504.28	503.30	4
8	F	902.47	885.45	884.46	464.29	447.26	446.28	3
9	K*	1072.58	1055.55	1054.57	317.22	300.19	299.21	2
10	K	-	-	-	147.11	130.09	129.10	1

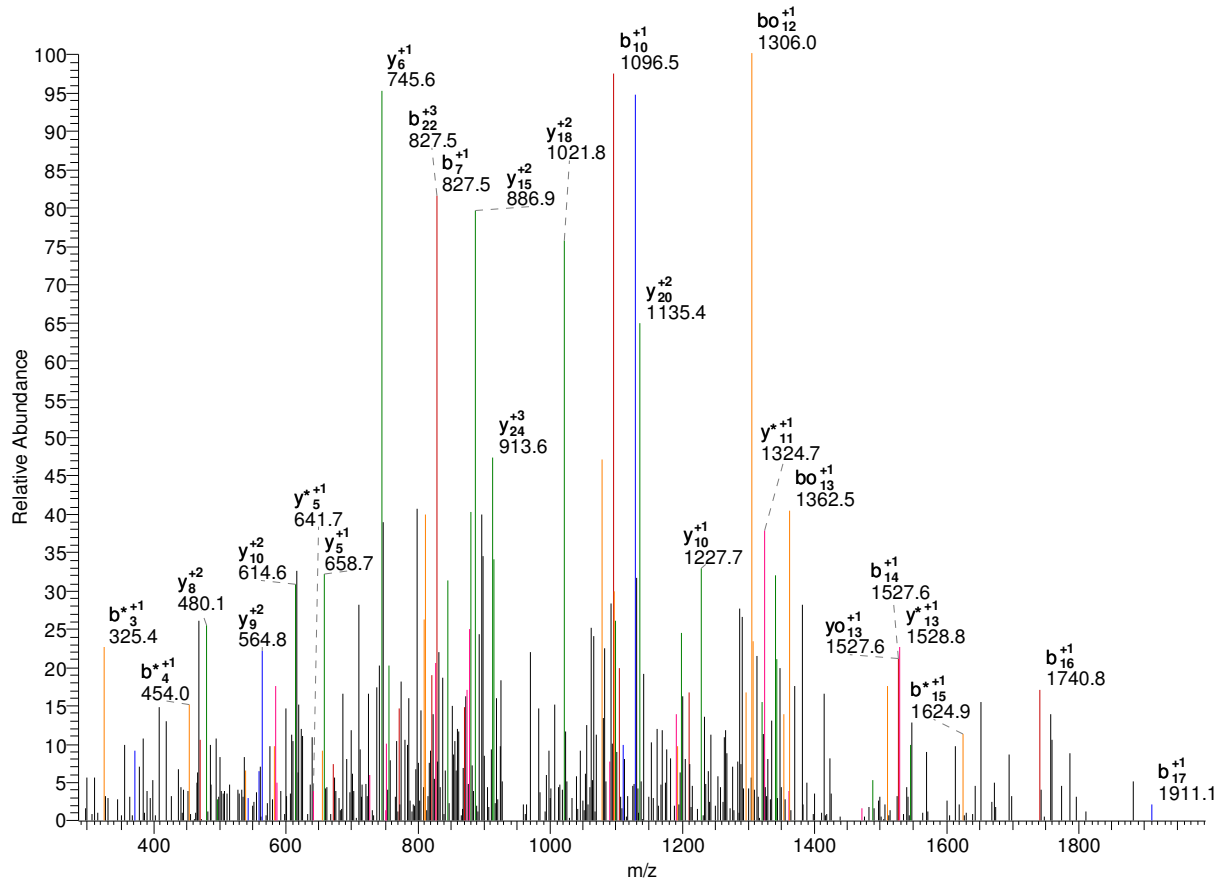
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	10
2	R	143.58	135.07	134.57	545.32	536.81	536.32	9
3	A	179.10	170.58	170.09	467.27	458.76	458.27	8
4	D	236.61	228.10	227.61	431.76	423.24	422.75	7
5	I	293.15	284.64	284.15	374.24	365.73	365.24	6
6	I	349.70	341.18	340.69	317.70	309.19	308.69	5
7	G	378.21	369.69	369.20	261.16	252.64	252.15	4
8	F	451.74	443.23	442.73	232.65	224.13	223.64	3
9	K*	536.79	528.28	527.79	159.11	150.60	150.11	2

10	K	-	-	-	74.06	65.55	65.05	1
----	---	---	---	---	-------	-------	-------	---

-

2868.51 K.EVLEEARPGDNIGFNVK*NVSVK*EIK.R
 psu|PF13_0305 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1 alpha
 | location=M 282 - 307
 #6112-6112 NL:5.84E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	25
2	V	229.12	212.09	211.11	2739.47	2722.44	2721.46	24
3	L	342.20	325.18	324.19	2640.40	2623.37	2622.39	23
4	E	471.24	454.22	453.23	2527.32	2510.29	2509.30	22
5	E	600.29	583.26	582.28	2398.27	2381.25	2380.26	21
6	A	671.32	654.30	653.31	2269.23	2252.20	2251.22	20
7	R	827.43	810.40	809.42	2198.19	2181.17	2180.18	19
8	P	924.48	907.45	906.47	2042.09	2025.07	2024.08	18
9	G	981.50	964.47	963.49	1945.04	1928.01	1927.03	17
10	D	1096.53	1079.50	1078.52	1888.02	1870.99	1870.01	16
11	N	1210.57	1193.54	1192.56	1772.99	1755.96	1754.98	15
12	I	1323.65	1306.63	1305.64	1658.95	1641.92	1640.94	14
13	G	1380.68	1363.65	1362.66	1545.86	1528.84	1527.85	13
14	F	1527.74	1510.72	1509.73	1488.84	1471.82	1470.83	12
15	N	1641.79	1624.76	1623.78	1341.77	1324.75	1323.76	11
16	V	1740.86	1723.83	1722.84	1227.73	1210.70	1209.72	10
17	K*	1910.96	1893.93	1892.95	1128.66	1111.64	1110.65	9
18	N	2025.00	2007.98	2006.99	958.56	941.53	940.55	8
19	V	2124.07	2107.05	2106.06	844.51	827.49	826.50	7
20	S	2211.10	2194.08	2193.09	745.45	728.42	727.43	6
21	V	2310.17	2293.15	2292.16	658.41	641.39	640.40	5
22	K*	2480.28	2463.25	2462.27	559.34	542.32	541.33	4

23	E	2609.32	2592.29	2591.31	389.24	372.21	371.23	3
24	I	2722.40	2705.38	2704.39	260.20	243.17	242.19	2
25	K	-	-	-	147.11	130.09	129.10	1

-

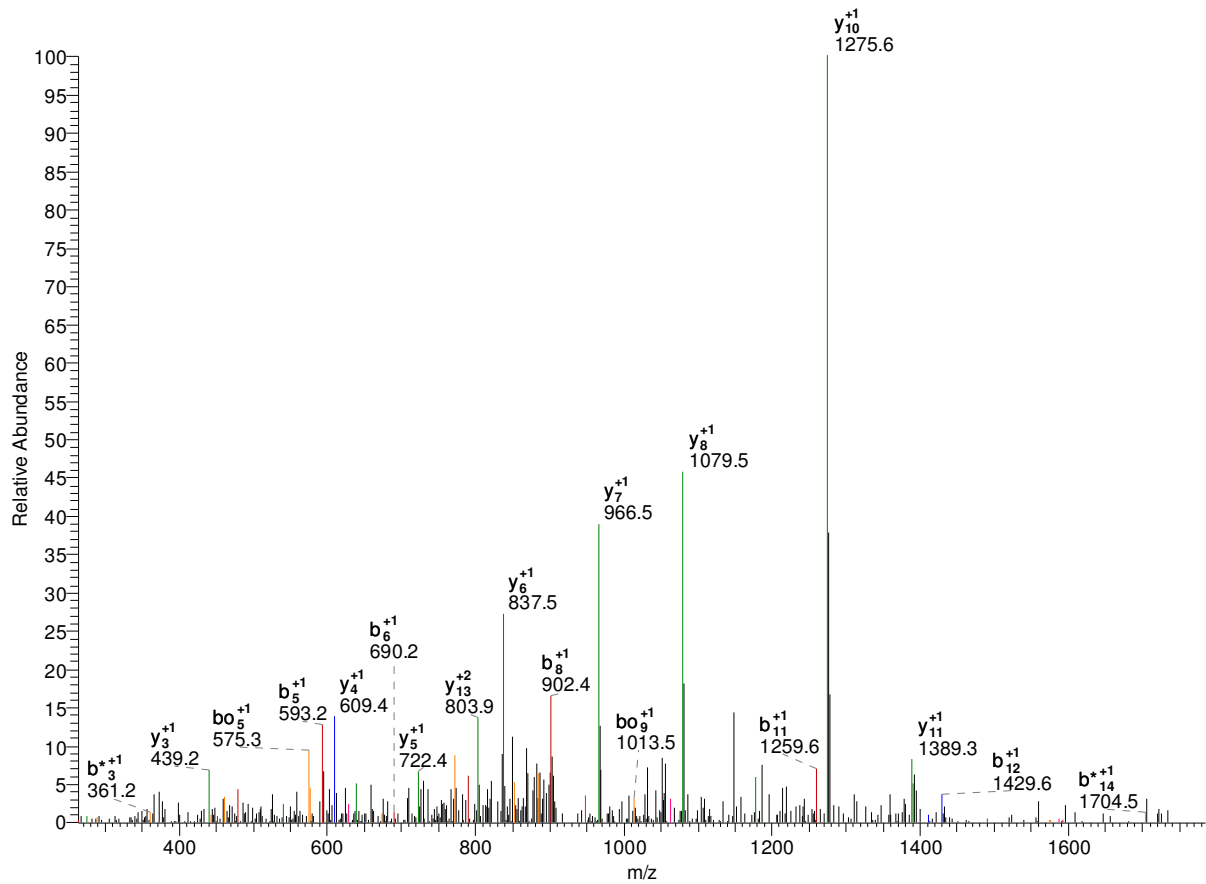
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	25
2	V	115.06	106.55	106.06	1370.24	1361.72	1361.23	24
3	L	171.60	163.09	162.60	1320.70	1312.19	1311.70	23
4	E	236.13	227.61	227.12	1264.16	1255.65	1255.16	22
5	E	300.65	292.13	291.64	1199.64	1191.13	1190.63	21
6	A	336.17	327.65	327.16	1135.12	1126.61	1126.11	20
7	R	414.22	405.70	405.21	1099.60	1091.09	1090.59	19
8	P	462.74	454.23	453.74	1021.55	1013.04	1012.54	18
9	G	491.25	482.74	482.25	973.02	964.51	964.02	17
10	D	548.77	540.25	539.76	944.51	936.00	935.51	16
11	N	605.79	597.28	596.78	887.00	878.49	877.99	15
12	I	662.33	653.82	653.33	829.98	821.46	820.97	14
13	G	690.84	682.33	681.84	773.44	764.92	764.43	13
14	F	764.38	755.86	755.37	744.92	736.41	735.92	12
15	N	821.40	812.88	812.39	671.39	662.88	662.39	11
16	V	870.93	862.42	861.93	614.37	605.86	605.36	10
17	K*	955.98	947.47	946.98	564.83	556.32	555.83	9
18	N	1013.01	1004.49	1004.00	479.78	471.27	470.78	8
19	V	1062.54	1054.03	1053.53	422.76	414.25	413.76	7
20	S	1106.06	1097.54	1097.05	373.23	364.71	364.22	6
21	V	1155.59	1147.08	1146.58	329.71	321.20	320.71	5
22	K*	1240.64	1232.13	1231.64	280.18	271.66	271.17	4
23	E	1305.16	1296.65	1296.16	195.12	186.61	186.12	3
24	I	1361.71	1353.19	1352.70	130.60	122.09	121.60	2
25	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	E	44.02	38.35	38.02	-	-	-	25
2	V	77.04	71.37	71.04	913.83	908.15	907.82	24
3	L	114.74	109.06	108.74	880.80	875.13	874.80	23
4	E	157.75	152.08	151.75	843.11	837.43	837.11	22
5	E	200.77	195.09	194.76	800.10	794.42	794.09	21
6	A	224.45	218.77	218.44	757.08	751.41	751.08	20
7	R	276.48	270.80	270.48	733.40	727.73	727.40	19
8	P	308.83	303.16	302.83	681.37	675.69	675.37	18
9	G	327.84	322.16	321.83	649.02	643.34	643.01	17
10	D	366.18	360.50	360.18	630.01	624.34	624.01	16
11	N	404.19	398.52	398.19	591.67	585.99	585.66	15
12	I	441.89	436.21	435.89	553.65	547.98	547.65	14
13	G	460.90	455.22	454.89	515.96	510.28	509.96	13
14	F	509.92	504.24	503.92	496.95	491.28	490.95	12
15	N	547.93	542.26	541.93	447.93	442.25	441.93	11
16	V	580.96	575.28	574.95	409.92	404.24	403.91	10
17	K*	637.66	631.98	631.65	376.89	371.22	370.89	9
18	N	675.67	670.00	669.67	320.19	314.51	314.19	8
19	V	708.70	703.02	702.69	282.18	276.50	276.17	7
20	S	737.71	732.03	731.70	249.15	243.48	243.15	6
21	V	770.73	765.05	764.73	220.14	214.47	214.14	5
22	K*	827.43	821.76	821.43	187.12	181.44	181.12	4
23	E	870.45	864.77	864.44	130.42	124.74	124.41	3
24	I	908.14	902.46	902.14	87.40	81.73	81.40	2
25	K	-	-	-	49.71	44.03	43.71	1

-

1867.90 R.FDDTNPVLEDIK*YEK.S
 psu|PF13_0257 | organism=Plasmodium_falciparum_3D7 | product=glutamate--tRNA ligase |
 location=MAL1348 - 363
 #6918-6918 NL:2.56E2



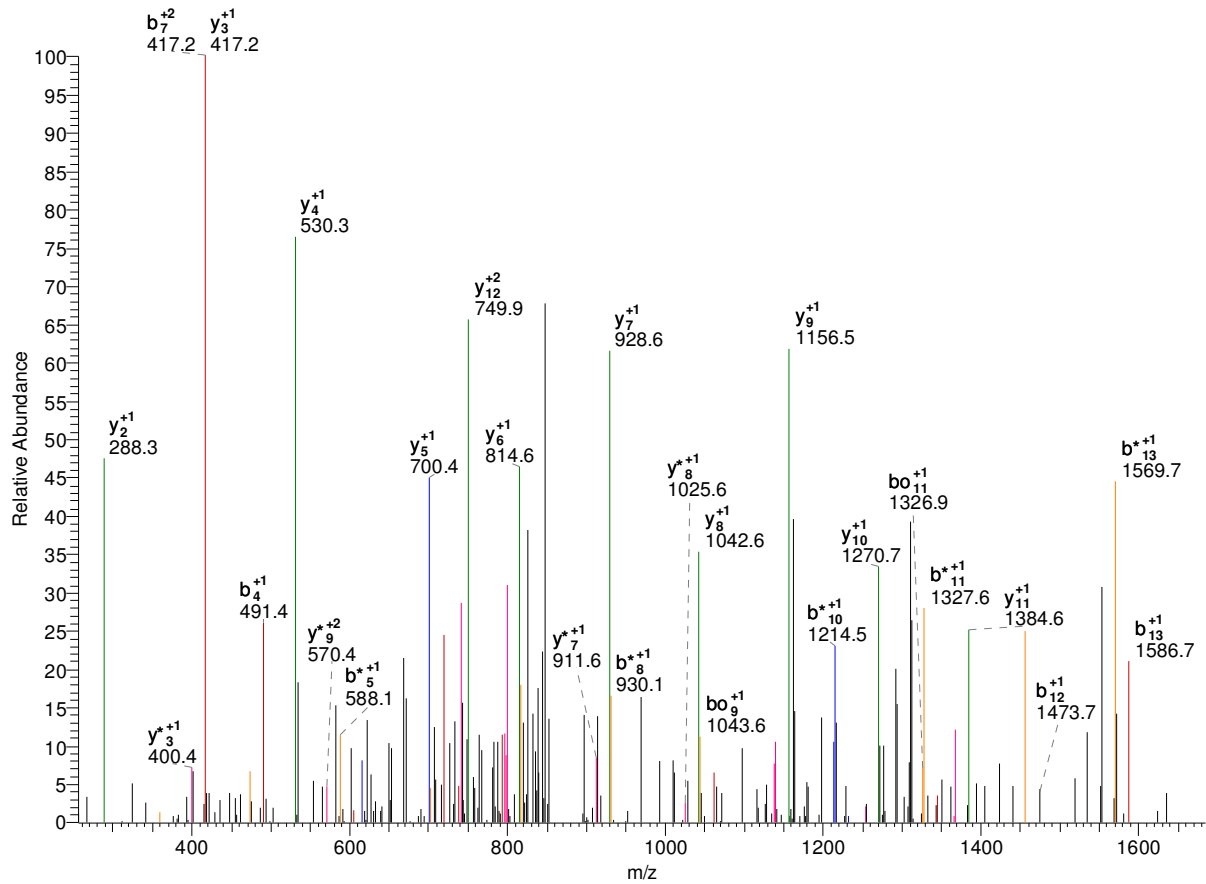
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	15
2	D	263.10	246.08	245.09	1720.83	1703.80	1702.82	14
3	D	378.13	361.10	360.12	1605.80	1588.77	1587.79	13
4	T	479.18	462.15	461.17	1490.77	1473.75	1472.76	12
5	N	593.22	576.19	575.21	1389.73	1372.70	1371.72	11
6	P	690.27	673.25	672.26	1275.68	1258.66	1257.67	10
7	V	789.34	772.31	771.33	1178.63	1161.60	1160.62	9
8	L	902.43	885.40	884.41	1079.56	1062.54	1061.55	8
9	E	1031.47	1014.44	1013.46	966.48	949.45	948.47	7
10	D	1146.49	1129.47	1128.48	837.44	820.41	819.42	6
11	I	1259.58	1242.55	1241.57	722.41	705.38	704.40	5
12	K*	1429.68	1412.66	1411.67	609.32	592.30	591.31	4
13	Y	1592.75	1575.72	1574.74	439.22	422.19	421.21	3
14	E	1721.79	1704.76	1703.78	276.16	259.13	258.14	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	15
2	D	132.05	123.54	123.05	860.92	852.40	851.91	14
3	D	189.57	181.06	180.56	803.40	794.89	794.40	13
4	T	240.09	231.58	231.09	745.89	737.38	736.89	12

5	N	297.11	288.60	288.11	695.37	686.85	686.36	11
6	P	345.64	337.13	336.63	638.35	629.83	629.34	10
7	V	395.17	386.66	386.17	589.82	581.31	580.81	9
8	L	451.72	443.20	442.71	540.28	531.77	531.28	8
9	E	516.24	507.72	507.23	483.74	475.23	474.74	7
10	D	573.75	565.24	564.75	419.22	410.71	410.22	6
11	I	630.29	621.78	621.29	361.71	353.19	352.70	5
12	K*	715.35	706.83	706.34	305.17	296.65	296.16	4
13	Y	796.88	788.36	787.87	220.11	211.60	211.11	3
14	E	861.40	852.89	852.39	138.58	130.07	129.58	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1760.83 K.FDNNNNNNNK*IEIR.K
 psu|PF11_0254 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 205 - 219
 #1892-1892 NL:5.06E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	14
2	D	263.10	246.08	245.09	1613.76	1596.74	1595.75	13
3	N	377.15	360.12	359.13	1498.74	1481.71	1480.73	12
4	N	491.19	474.16	473.18	1384.69	1367.67	1366.68	11
5	N	605.23	588.20	587.22	1270.65	1253.62	1252.64	10
6	N	719.27	702.25	701.26	1156.61	1139.58	1138.60	9
7	N	833.32	816.29	815.31	1042.56	1025.54	1024.55	8
8	N	947.36	930.33	929.35	928.52	911.49	910.51	7
9	N	1061.40	1044.38	1043.39	814.48	797.45	796.47	6
10	K*	1231.51	1214.48	1213.50	700.44	683.41	682.42	5
11	I	1344.59	1327.57	1326.58	530.33	513.30	512.32	4
12	E	1473.64	1456.61	1455.62	417.25	400.22	399.24	3
13	I	1586.72	1569.69	1568.71	288.20	271.18	270.19	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	14
2	D	132.05	123.54	123.05	807.38	798.87	798.38	13
3	N	189.08	180.56	180.07	749.87	741.36	740.87	12
4	N	246.10	237.58	237.09	692.85	684.34	683.84	11
5	N	303.12	294.61	294.11	635.83	627.32	626.82	10

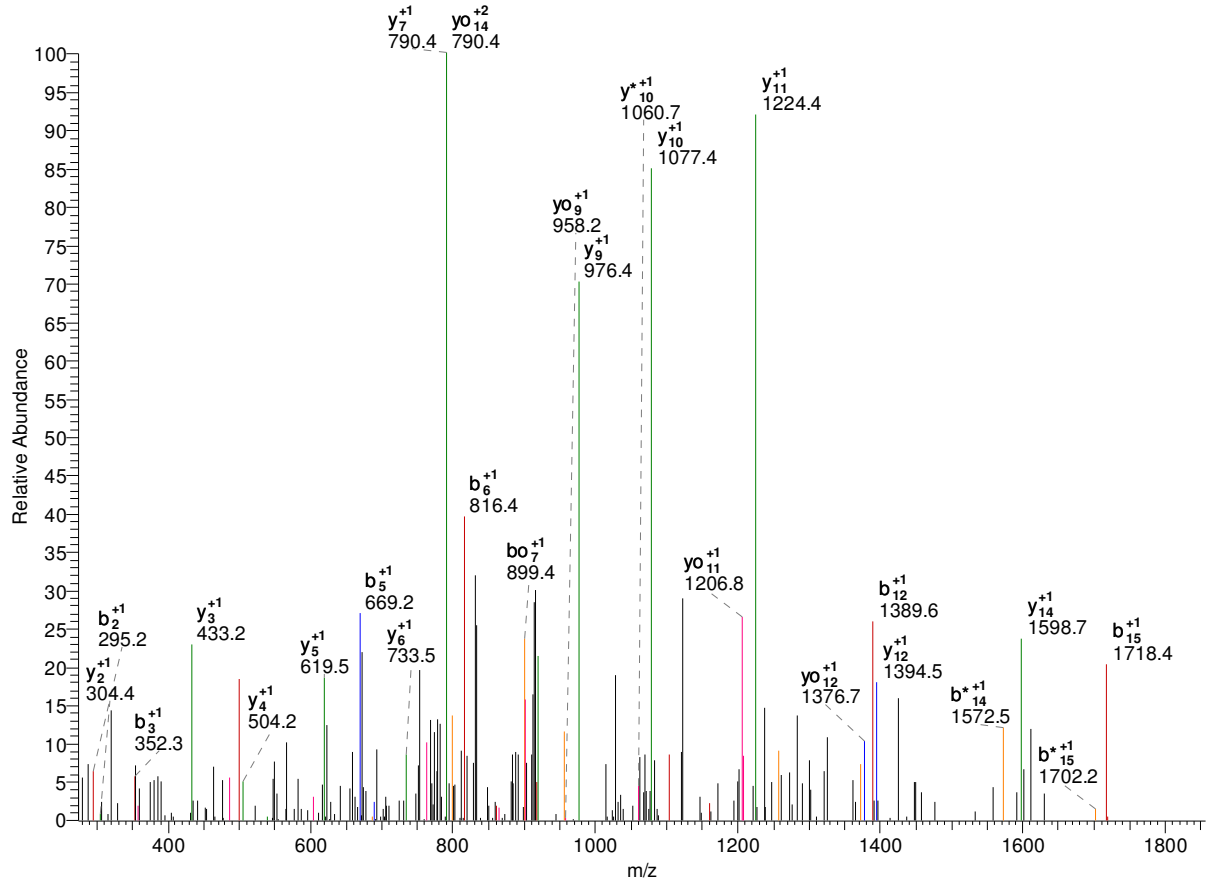
6	N	360.14	351.63	351.14	578.81	570.29	569.80	9
7	N	417.16	408.65	408.16	521.79	513.27	512.78	8
8	N	474.18	465.67	465.18	464.76	456.25	455.76	7
9	N	531.21	522.69	522.20	407.74	399.23	398.74	6
10	K*	616.26	607.74	607.25	350.72	342.21	341.72	5
11	I	672.80	664.29	663.79	265.67	257.16	256.66	4
12	E	737.32	728.81	728.32	209.13	200.61	200.12	3
13	I	793.86	785.35	784.86	144.61	136.09	135.60	2
14	R	-	-	-	88.06	79.55	79.06	1

—

1892.84 K.FFGFK*FTGEGNDAEER.Q

psulPF14_0324 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | loca 188 - 204

#5983-5983 NL: 4.99E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	16
2	F	295.14	278.12	277.13	1745.78	1728.75	1727.77	15
3	G	352.17	335.14	334.16	1598.71	1581.68	1580.70	14
4	F	499.23	482.21	481.22	1541.69	1524.66	1523.68	13
5	K*	669.34	652.31	651.33	1394.62	1377.59	1376.61	12
6	F	816.41	799.38	798.40	1224.51	1207.49	1206.50	11
7	T	917.46	900.43	899.45	1077.44	1060.42	1059.43	10
8	G	974.48	957.45	956.47	976.40	959.37	958.39	9
9	E	1103.52	1086.49	1085.51	919.38	902.35	901.36	8
10	G	1160.54	1143.51	1142.53	790.33	773.31	772.32	7
11	N	1274.58	1257.56	1256.57	733.31	716.28	715.30	6
12	D	1389.61	1372.58	1371.60	619.27	602.24	601.26	5
13	A	1460.65	1443.62	1442.64	504.24	487.21	486.23	4
14	E	1589.69	1572.66	1571.68	433.20	416.18	415.19	3
15	E	1718.73	1701.71	1700.72	304.16	287.13	286.15	2
16	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	16
2	F	148.08	139.56	139.07	873.39	864.88	864.39	15

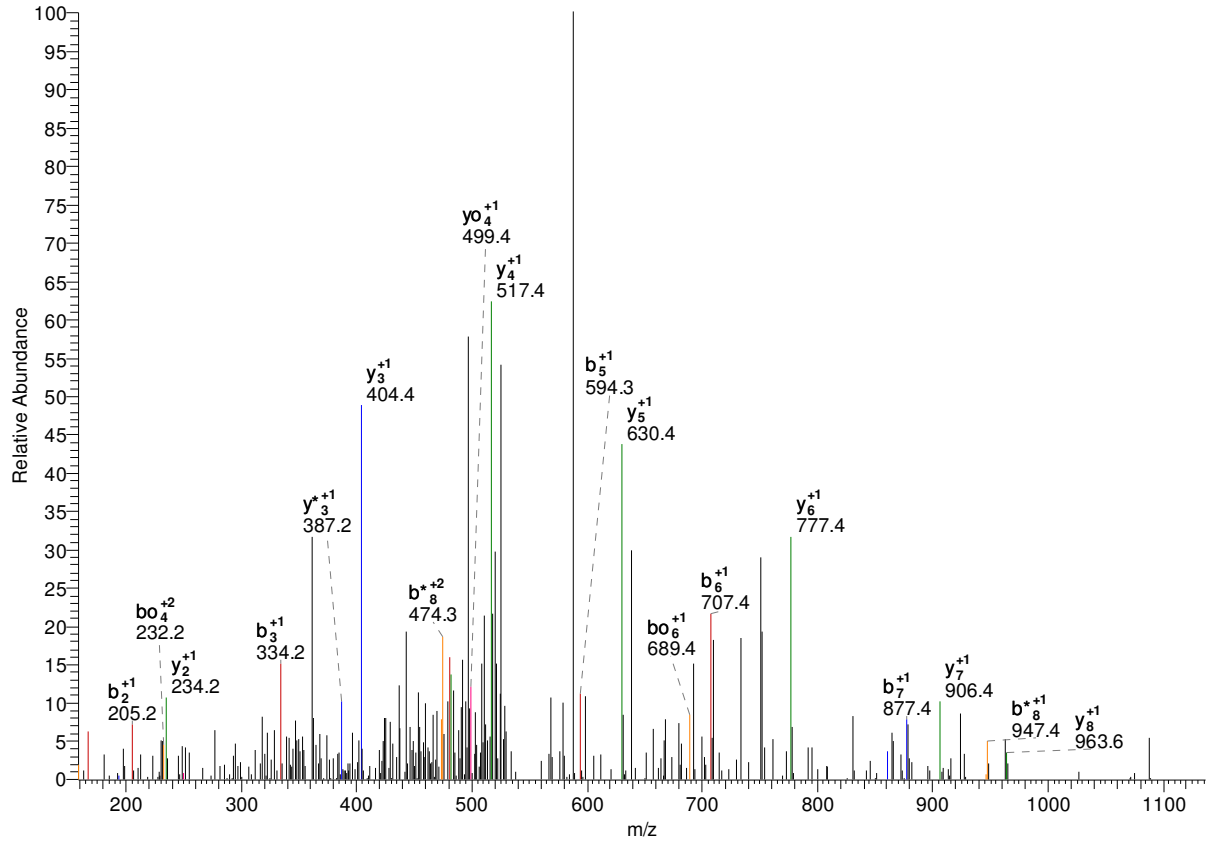
3	G	176.59	168.07	167.58	799.86	791.34	790.85	14
4	F	250.12	241.61	241.12	771.35	762.83	762.34	13
5	K*	335.17	326.66	326.17	697.81	689.30	688.81	12
6	F	408.71	400.19	399.70	612.76	604.25	603.75	11
7	T	459.23	450.72	450.23	539.23	530.71	530.22	10
8	G	487.74	479.23	478.74	488.70	480.19	479.70	9
9	E	552.26	543.75	543.26	460.19	451.68	451.19	8
10	G	580.77	572.26	571.77	395.67	387.16	386.66	7
11	N	637.80	629.28	628.79	367.16	358.65	358.15	6
12	D	695.31	686.80	686.30	310.14	301.62	301.13	5
13	A	730.83	722.31	721.82	252.62	244.11	243.62	4
14	E	795.35	786.84	786.34	217.11	208.59	208.10	3
15	E	859.87	851.36	850.87	152.58	144.07	143.58	2
16	R	-	-	-	88.06	79.55	79.06	1

-

1110.62 K.FGEFILK*SK.R

psu|PFE0630c | organism=Plasmodium_falciparum_3D7 | product=orotate
phosphoribosyltransferase, puta 82 - 91

#4447-4447 NL: 1.08E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	9
2	G	205.10	188.07	187.09	963.55	946.52	945.54	8
3	E	334.14	317.11	316.13	906.53	889.50	888.52	7
4	F	481.21	464.18	463.20	777.49	760.46	759.48	6
5	I	594.29	577.27	576.28	630.42	613.39	612.41	5
6	L	707.38	690.35	689.37	517.33	500.31	499.32	4
7	K*	877.48	860.46	859.47	404.25	387.22	386.24	3
8	S	964.51	947.49	946.50	234.14	217.12	216.13	2
9	K	-	-	-	147.11	130.09	129.10	1

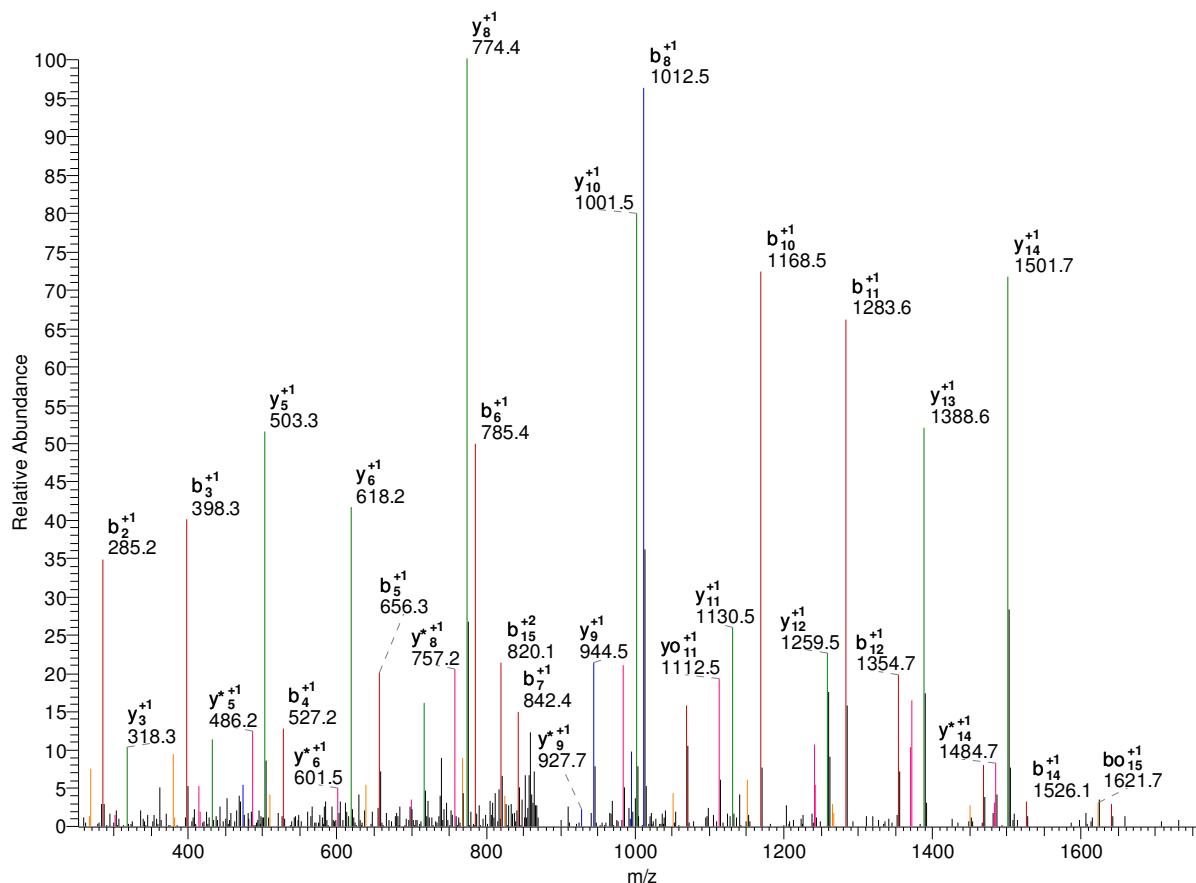
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	9
2	G	103.05	94.54	94.05	482.28	473.77	473.27	8
3	E	167.57	159.06	158.57	453.77	445.26	444.76	7
4	F	241.11	232.59	232.10	389.25	380.73	380.24	6
5	I	297.65	289.14	288.64	315.71	307.20	306.71	5
6	L	354.19	345.68	345.19	259.17	250.66	250.17	4
7	K*	439.24	430.73	430.24	202.63	194.12	193.62	3
8	S	482.76	474.25	473.76	117.58	109.06	108.57	2
9	K	-	-	-	74.06	65.55	65.05	1

1785.84 R.FHIEEEGK*GVDANGNK.V

psulPFI1105w | organism=Plasmodium_falciparum_3D7
 product=Phosphoglycerate kinase | location=MAL9 122 - 138

#1988-1988 NL: 3.09E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	16
2	H	285.13	268.11	267.12	1638.77	1621.75	1620.76	15
3	I	398.22	381.19	380.21	1501.71	1484.69	1483.70	14
4	E	527.26	510.23	509.25	1388.63	1371.60	1370.62	13
5	E	656.30	639.28	638.29	1259.59	1242.56	1241.58	12
6	E	785.35	768.32	767.34	1130.54	1113.52	1112.53	11
7	G	842.37	825.34	824.36	1001.50	984.47	983.49	10
8	K*	1012.47	995.45	994.46	944.48	927.45	926.47	9
9	G	1069.49	1052.47	1051.48	774.37	757.35	756.36	8
10	V	1168.56	1151.54	1150.55	717.35	700.33	699.34	7
11	D	1283.59	1266.56	1265.58	618.28	601.26	600.27	6
12	A	1354.63	1337.60	1336.62	503.26	486.23	485.25	5
13	N	1468.67	1451.64	1450.66	432.22	415.19	414.21	4
14	G	1525.69	1508.67	1507.68	318.18	301.15	300.17	3
15	N	1639.73	1622.71	1621.72	261.16	244.13	243.15	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	16

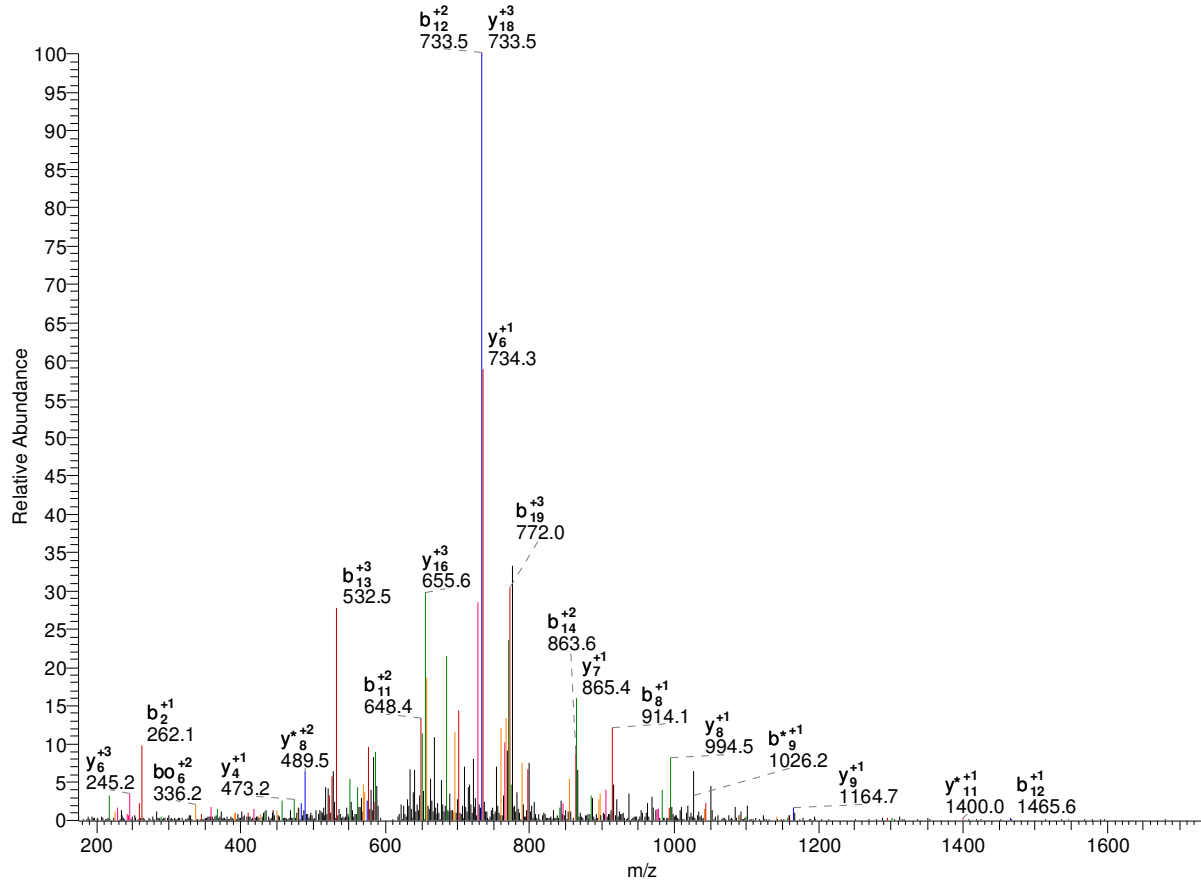
2	H	143.07	134.56	134.07	819.89	811.38	810.88	15
3	I	199.61	191.10	190.61	751.36	742.85	742.35	14
4	E	264.13	255.62	255.13	694.82	686.30	685.81	13
5	E	328.66	320.14	319.65	630.30	621.78	621.29	12
6	E	393.18	384.66	384.17	565.78	557.26	556.77	11
7	G	421.69	413.17	412.68	501.25	492.74	492.25	10
8	K*	506.74	498.23	497.74	472.74	464.23	463.74	9
9	G	535.25	526.74	526.25	387.69	379.18	378.69	8
10	V	584.79	576.27	575.78	359.18	350.67	350.17	7
11	D	642.30	633.79	633.29	309.65	301.13	300.64	6
12	A	677.82	669.30	668.81	252.13	243.62	243.13	5
13	N	734.84	726.33	725.83	216.61	208.10	207.61	4
14	G	763.35	754.84	754.34	159.59	151.08	150.59	3
15	N	820.37	811.86	811.37	131.08	122.57	122.08	2
16	K	-	-	-	74.06	65.55	65.05	1

-

2459.12 R.FNFSGHSHEDHK*EMFNVLK.A

psu|PFF1300w | organism=Plasmodium_falciparum_3D7 | product=pyruvate kinase, putative | location=MA 67 - 87

#4695-4695 NL: 1.91E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	20
2	N	262.12	245.09	244.11	2312.05	2295.02	2294.04	19
3	F	409.19	392.16	391.18	2198.01	2180.98	2180.00	18
4	S	496.22	479.19	478.21	2050.94	2033.91	2032.93	17
5	H	633.28	616.25	615.27	1963.91	1946.88	1945.90	16
6	G	690.30	673.27	672.29	1826.85	1809.82	1808.84	15
7	S	777.33	760.30	759.32	1769.83	1752.80	1751.82	14
8	H	914.39	897.36	896.38	1682.80	1665.77	1664.78	13
9	E	1043.43	1026.41	1025.42	1545.74	1528.71	1527.73	12
10	D	1158.46	1141.43	1140.45	1416.69	1399.67	1398.68	11
11	H	1295.52	1278.49	1277.51	1301.67	1284.64	1283.66	10
12	K*	1465.62	1448.60	1447.61	1164.61	1147.58	1146.60	9
13	E	1594.67	1577.64	1576.66	994.50	977.48	976.49	8
14	M	1725.71	1708.68	1707.70	865.46	848.43	847.45	7
15	F	1872.78	1855.75	1854.77	734.42	717.39	716.41	6
16	N	1986.82	1969.79	1968.81	587.35	570.32	569.34	5
17	N	2100.86	2083.84	2082.85	473.31	456.28	455.30	4
18	V	2199.93	2182.90	2181.92	359.27	342.24	341.25	3
19	L	2313.01	2295.99	2295.00	260.20	243.17	242.19	2
20	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	20
2	N	131.56	123.05	122.56	1156.53	1148.02	1147.52	19
3	F	205.10	196.58	196.09	1099.51	1090.99	1090.50	18
4	S	248.61	240.10	239.61	1025.97	1017.46	1016.97	17
5	H	317.14	308.63	308.14	982.46	973.94	973.45	16
6	G	345.65	337.14	336.65	913.93	905.41	904.92	15
7	S	389.17	380.66	380.16	885.42	876.90	876.41	14
8	H	457.70	449.19	448.69	841.90	833.39	832.90	13
9	E	522.22	513.71	513.21	773.37	764.86	764.37	12
10	D	579.73	571.22	570.73	708.85	700.34	699.85	11
11	H	648.26	639.75	639.26	651.34	642.82	642.33	10
12	K*	733.32	724.80	724.31	582.81	574.29	573.80	9
13	E	797.84	789.32	788.83	497.75	489.24	488.75	8
14	M	863.36	854.84	854.35	433.23	424.72	424.23	7
15	F	936.89	928.38	927.89	367.71	359.20	358.71	6
16	N	993.91	985.40	984.91	294.18	285.67	285.17	5
17	N	1050.93	1042.42	1041.93	237.16	228.64	228.15	4
18	V	1100.47	1091.96	1091.46	180.14	171.62	171.13	3
19	L	1157.01	1148.50	1148.01	130.60	122.09	121.60	2
20	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	F	50.03	44.35	44.03	-	-	-	20
2	N	88.04	82.37	82.04	771.36	765.68	765.35	19
3	F	137.07	131.39	131.06	733.34	727.67	727.34	18
4	S	166.08	160.40	160.07	684.32	678.64	678.31	17
5	H	211.76	206.09	205.76	655.31	649.63	649.30	16
6	G	230.77	225.10	224.77	609.62	603.95	603.62	15
7	S	259.78	254.11	253.78	590.61	584.94	584.61	14
8	H	305.47	299.79	299.46	561.60	555.93	555.60	13
9	E	348.48	342.81	342.48	515.92	510.24	509.91	12
10	D	386.82	381.15	380.82	472.90	467.23	466.90	11
11	H	432.51	426.84	426.51	434.56	428.89	428.56	10
12	K*	489.21	483.54	483.21	388.87	383.20	382.87	9
13	E	532.23	526.55	526.22	332.17	326.50	326.17	8
14	M	575.91	570.23	569.90	289.16	283.48	283.15	7
15	F	624.93	619.25	618.93	245.48	239.80	239.47	6
16	N	662.94	657.27	656.94	196.46	190.78	190.45	5
17	N	700.96	695.28	694.96	158.44	152.77	152.44	4
18	V	733.98	728.31	727.98	120.43	114.75	114.42	3
19	L	771.68	766.00	765.67	87.40	81.73	81.40	2
20	K	-	-	-	49.71	44.03	43.71	1

-

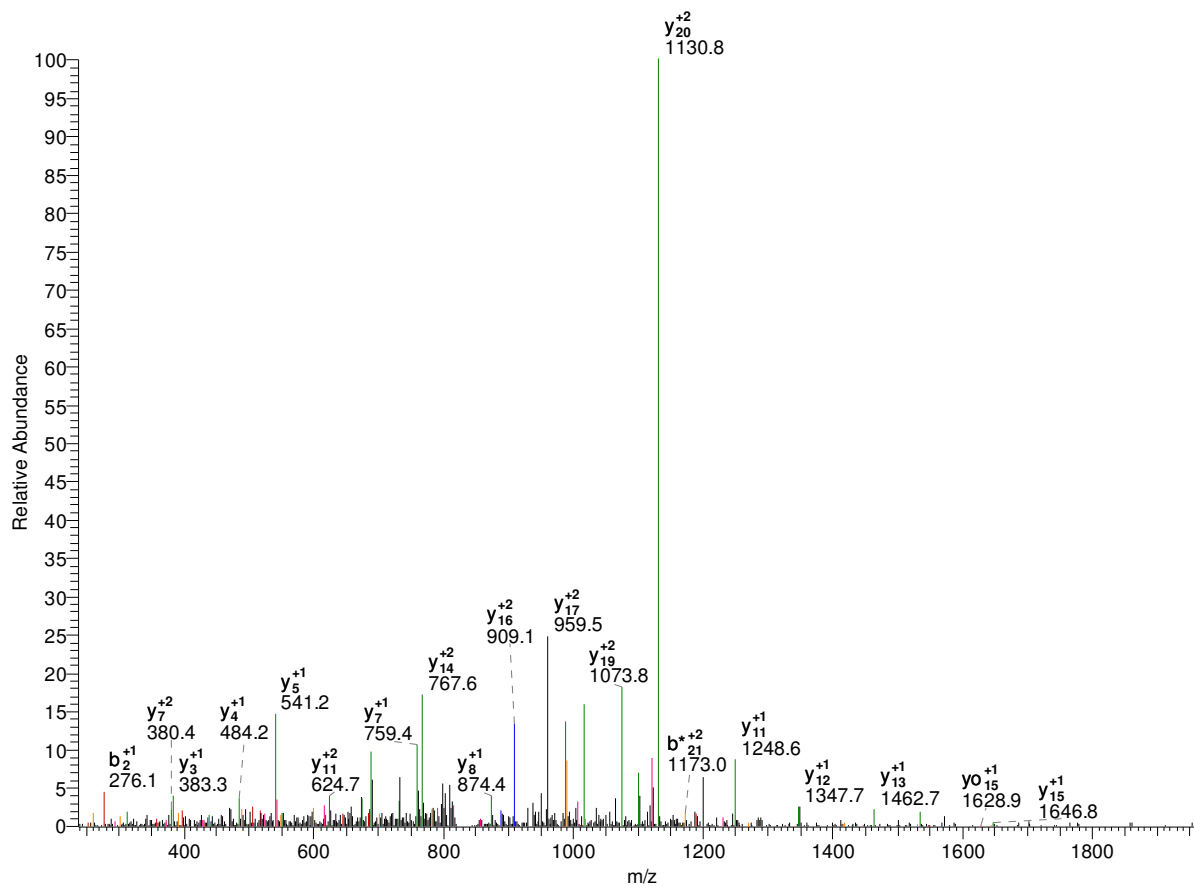
+4 Ions		B	B*	B0	Y	Y*	Y0	
1	F	37.77	33.52	33.27	-	-	-	20
2	N	66.29	62.03	61.78	578.77	574.51	574.27	19
3	F	103.05	98.80	98.55	550.26	546.00	545.75	18
4	S	124.81	120.55	120.31	513.49	509.23	508.99	17
5	H	159.07	154.82	154.57	491.73	487.48	487.23	16
6	G	173.33	169.07	168.83	457.47	453.21	452.97	15
7	S	195.09	190.83	190.59	443.21	438.96	438.71	14
8	H	229.35	225.10	224.85	421.45	417.20	416.95	13
9	E	261.61	257.36	257.11	387.19	382.93	382.69	12
10	D	290.37	286.11	285.87	354.93	350.67	350.43	11
11	H	324.64	320.38	320.13	326.17	321.92	321.67	10
12	K*	367.16	362.90	362.66	291.91	287.65	287.40	9

13	E	399.42	395.17	394.92	249.38	245.12	244.88	8
14	M	432.18	427.93	427.68	217.12	212.86	212.62	7
15	F	468.95	464.69	464.45	184.36	180.10	179.86	6
16	N	497.46	493.20	492.96	147.59	143.34	143.09	5
17	N	525.97	521.71	521.47	119.08	114.83	114.58	4
18	V	550.74	546.48	546.24	90.57	86.32	86.07	3
19	L	579.01	574.75	574.51	65.80	61.55	61.30	2
20	K	-	-	-	37.53	33.28	33.03	1

-

psu|PFI1105w | organism=Plasmodium_falciparum_3D7 |
 product=Phosphoglycerate kinase | location=MAL9 148 - 170

#9797-9797 NL: 1.20E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	22
2	Q	276.13	259.11	258.12	2388.19	2371.17	2370.18	21
3	N	390.18	373.15	372.17	2260.14	2243.11	2242.13	20
4	D	505.20	488.18	487.19	2146.09	2129.07	2128.08	19
5	L	618.29	601.26	600.28	2031.07	2014.04	2013.06	18
6	T	719.34	702.31	701.33	1917.98	1900.96	1899.97	17
7	K*	889.44	872.41	871.43	1816.93	1799.91	1798.92	16
8	L	1002.53	985.50	984.51	1646.83	1629.80	1628.82	15
9	A	1073.56	1056.54	1055.55	1533.74	1516.72	1515.73	14
10	D	1188.59	1171.56	1170.58	1462.71	1445.68	1444.70	13
11	V	1287.66	1270.63	1269.65	1347.68	1330.65	1329.67	12
12	F	1434.73	1417.70	1416.72	1248.61	1231.59	1230.60	11
13	I	1547.81	1530.78	1529.80	1101.54	1084.52	1083.53	10
14	N	1661.85	1644.83	1643.84	988.46	971.43	970.45	9
15	D	1776.88	1759.85	1758.87	874.42	857.39	856.41	8
16	A	1847.92	1830.89	1829.91	759.39	742.36	741.38	7
17	F	1994.99	1977.96	1976.98	688.35	671.33	670.34	6
18	G	2052.01	2034.98	2034.00	541.28	524.26	523.27	5
19	T	2153.05	2136.03	2135.04	484.26	467.24	466.25	4
20	A	2224.09	2207.07	2206.08	383.21	366.19	365.20	3
21	H	2361.15	2344.12	2343.14	312.18	295.15	294.17	2

22	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	22
2	Q	138.57	130.06	129.57	1194.60	1186.09	1185.60	21
3	N	195.59	187.08	186.59	1130.57	1122.06	1121.57	20
4	D	253.11	244.59	244.10	1073.55	1065.04	1064.54	19
5	L	309.65	301.13	300.64	1016.04	1007.52	1007.03	18
6	T	360.17	351.66	351.17	959.49	950.98	950.49	17
7	K*	445.22	436.71	436.22	908.97	900.46	899.97	16
8	L	501.77	493.25	492.76	823.92	815.40	814.91	15
9	A	537.28	528.77	528.28	767.38	758.86	758.37	14
10	D	594.80	586.29	585.79	731.86	723.34	722.85	13
11	V	644.33	635.82	635.33	674.34	665.83	665.34	12
12	F	717.87	709.35	708.86	624.81	616.30	615.80	11
13	I	774.41	765.90	765.40	551.28	542.76	542.27	10
14	N	831.43	822.92	822.43	494.73	486.22	485.73	9
15	D	888.94	880.43	879.94	437.71	429.20	428.71	8
16	A	924.46	915.95	915.46	380.20	371.69	371.19	7
17	F	998.00	989.48	988.99	344.68	336.17	335.67	6
18	G	1026.51	1017.99	1017.50	271.15	262.63	262.14	5
19	T	1077.03	1068.52	1068.03	242.63	234.12	233.63	4
20	A	1112.55	1104.04	1103.54	192.11	183.60	183.11	3
21	H	1181.08	1172.57	1172.07	156.59	148.08	147.59	2
22	R	-	-	-	88.06	79.55	79.06	1

-

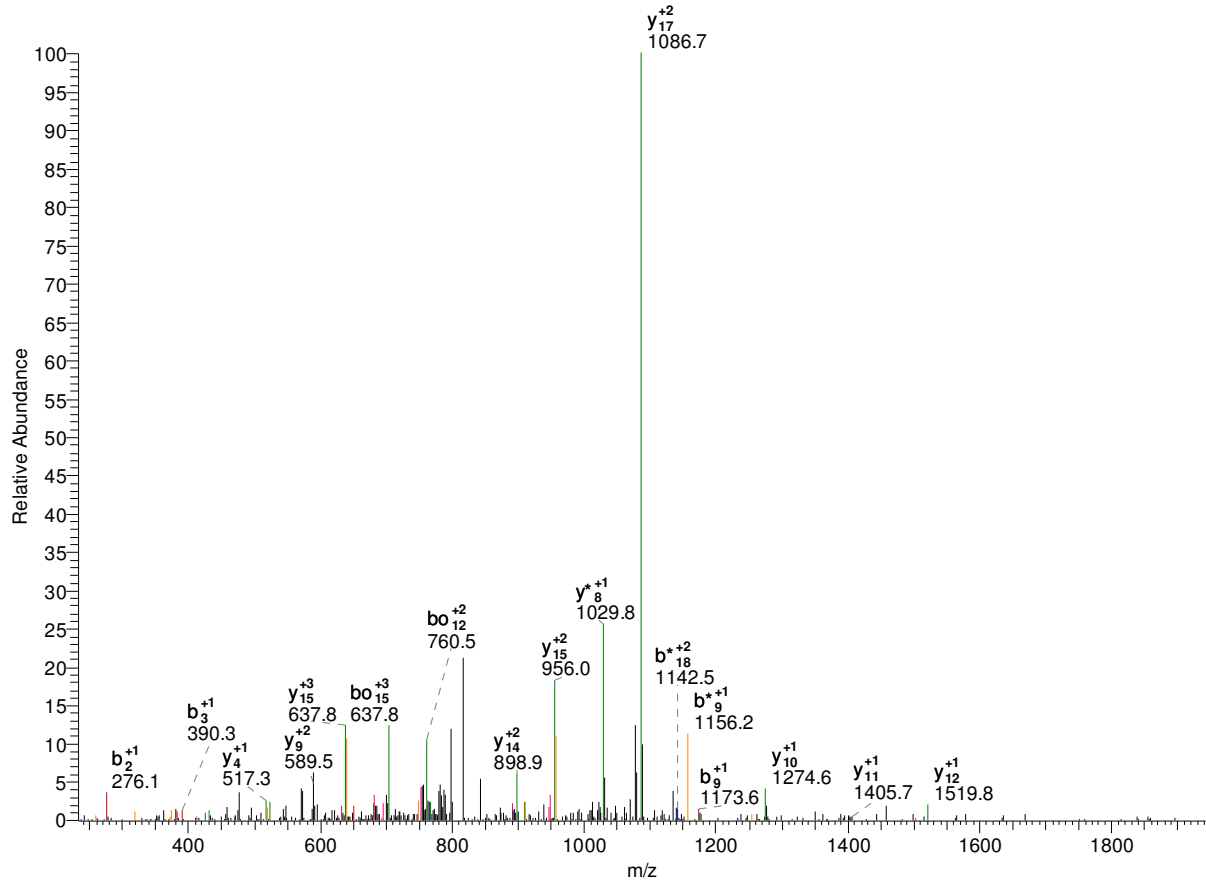
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	F	50.03	44.35	44.03	-	-	-	22
2	Q	92.72	87.04	86.71	796.74	791.06	790.73	21
3	N	130.73	125.06	124.73	754.05	748.37	748.05	20
4	D	169.07	163.40	163.07	716.04	710.36	710.03	19
5	L	206.77	201.09	200.76	677.69	672.02	671.69	18
6	T	240.45	234.77	234.45	640.00	634.32	634.00	17
7	K*	297.15	291.48	291.15	606.32	600.64	600.31	16
8	L	334.85	329.17	328.84	549.61	543.94	543.61	15
9	A	358.53	352.85	352.52	511.92	506.24	505.92	14
10	D	396.87	391.19	390.86	488.24	482.57	482.24	13
11	V	429.89	424.22	423.89	449.90	444.22	443.89	12
12	F	478.91	473.24	472.91	416.88	411.20	410.87	11
13	I	516.61	510.93	510.60	367.85	362.18	361.85	10
14	N	554.62	548.95	548.62	330.16	324.48	324.15	9
15	D	592.96	587.29	586.96	292.14	286.47	286.14	8
16	A	616.64	610.97	610.64	253.80	248.13	247.80	7
17	F	665.67	659.99	659.66	230.12	224.45	224.12	6
18	G	684.67	679.00	678.67	181.10	175.42	175.10	5
19	T	718.36	712.68	712.35	162.09	156.42	156.09	4
20	A	742.04	736.36	736.03	128.41	122.73	122.41	3
21	H	787.72	782.05	781.72	104.73	99.06	98.73	2
22	R	-	-	-	59.04	53.37	53.04	1

-

2447.09 K.FQNFNNYNMPMHDNYSIK*K.L

psulPF13_0235 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | loca 380 - 399

#4929-4929 NL: 6.51E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	19
2	Q	276.13	259.11	258.12	2300.02	2283.00	2282.01	18
3	N	390.18	373.15	372.17	2171.96	2154.94	2153.95	17
4	F	537.25	520.22	519.24	2057.92	2040.89	2039.91	16
5	N	651.29	634.26	633.28	1910.85	1893.83	1892.84	15
6	N	765.33	748.30	747.32	1796.81	1779.78	1778.80	14
7	Y	928.39	911.37	910.38	1682.77	1665.74	1664.76	13
8	N	1042.44	1025.41	1024.43	1519.70	1502.68	1501.69	12
9	M	1173.48	1156.45	1155.47	1405.66	1388.63	1387.65	11
10	P	1270.53	1253.50	1252.52	1274.62	1257.59	1256.61	10
11	M	1401.57	1384.54	1383.56	1177.57	1160.54	1159.56	9
12	H	1538.63	1521.60	1520.62	1046.53	1029.50	1028.52	8
13	D	1653.66	1636.63	1635.65	909.47	892.44	891.46	7
14	N	1767.70	1750.67	1749.69	794.44	777.41	776.43	6
15	Y	1930.76	1913.74	1912.75	680.40	663.37	662.39	5
16	S	2017.80	2000.77	1999.79	517.33	500.31	499.32	4
17	I	2130.88	2113.85	2112.87	430.30	413.28	412.29	3
18	K*	2300.99	2283.96	2282.97	317.22	300.19	299.21	2
19	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	19
2	Q	138.57	130.06	129.57	1150.51	1142.00	1141.51	18
3	N	195.59	187.08	186.59	1086.49	1077.97	1077.48	17
4	F	269.13	260.61	260.12	1029.46	1020.95	1020.46	16
5	N	326.15	317.63	317.14	955.93	947.42	946.92	15
6	N	383.17	374.66	374.16	898.91	890.40	889.90	14
7	Y	464.70	456.19	455.70	841.89	833.37	832.88	13
8	N	521.72	513.21	512.72	760.36	751.84	751.35	12
9	M	587.24	578.73	578.24	703.33	694.82	694.33	11
10	P	635.77	627.26	626.76	637.81	629.30	628.81	10
11	M	701.29	692.78	692.28	589.29	580.77	580.28	9
12	H	769.82	761.31	760.81	523.77	515.25	514.76	8
13	D	827.33	818.82	818.33	455.24	446.72	446.23	7
14	N	884.35	875.84	875.35	397.72	389.21	388.72	6
15	Y	965.89	957.37	956.88	340.70	332.19	331.70	5
16	S	1009.40	1000.89	1000.40	259.17	250.66	250.17	4
17	I	1065.94	1057.43	1056.94	215.65	207.14	206.65	3
18	K*	1151.00	1142.48	1141.99	159.11	150.60	150.11	2
19	K	-	-	-	74.06	65.55	65.05	1

-

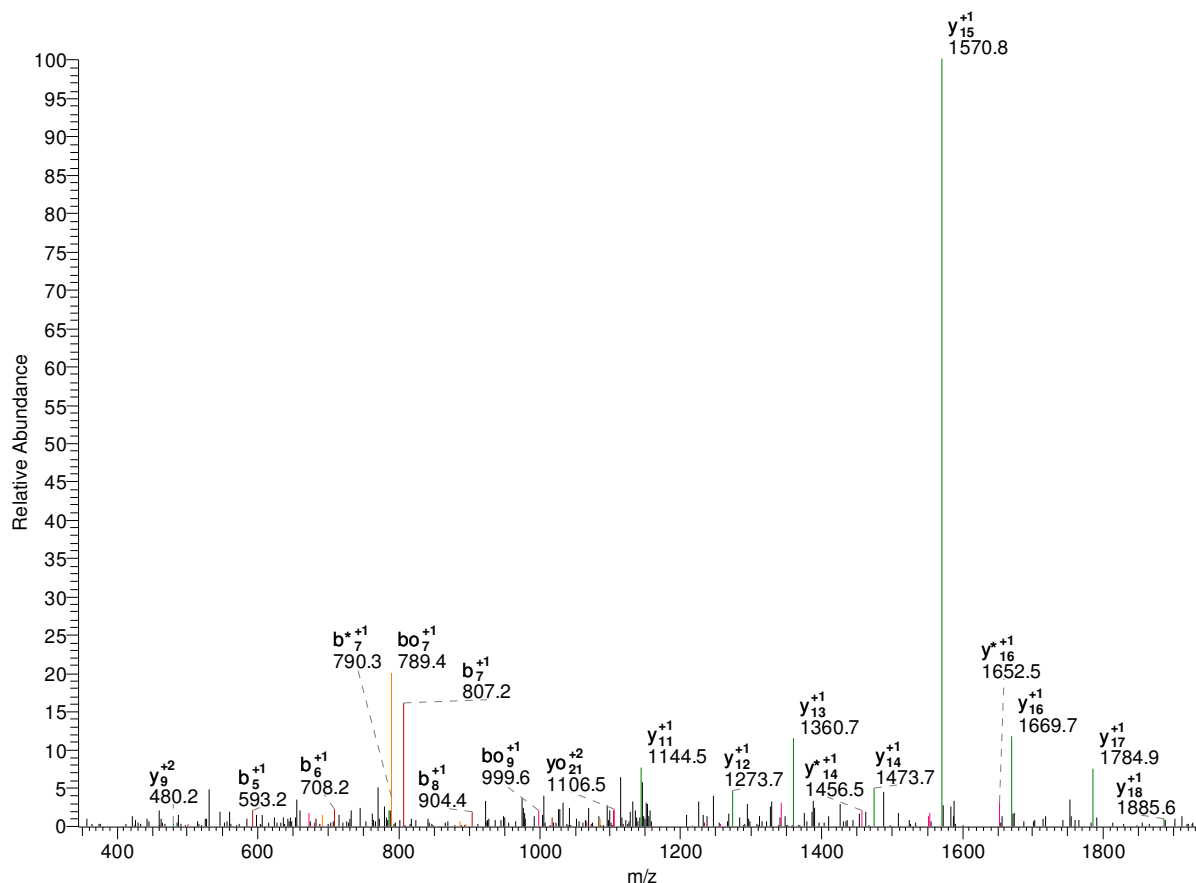
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	F	50.03	44.35	44.03	-	-	-	19
2	Q	92.72	87.04	86.71	767.35	761.67	761.34	18
3	N	130.73	125.06	124.73	724.66	718.98	718.66	17
4	F	179.75	174.08	173.75	686.65	680.97	680.64	16
5	N	217.77	212.09	211.76	637.62	631.95	631.62	15
6	N	255.78	250.11	249.78	599.61	593.93	593.60	14
7	Y	310.14	304.46	304.13	561.59	555.92	555.59	13
8	N	348.15	342.48	342.15	507.24	501.56	501.24	12
9	M	391.83	386.16	385.83	469.22	463.55	463.22	11
10	P	424.18	418.51	418.18	425.54	419.87	419.54	10
11	M	467.86	462.19	461.86	393.19	387.52	387.19	9
12	H	513.55	507.87	507.54	349.51	343.84	343.51	8
13	D	551.89	546.22	545.89	303.83	298.15	297.82	7
14	N	589.90	584.23	583.90	265.49	259.81	259.48	6
15	Y	644.26	638.58	638.26	227.47	221.80	221.47	5
16	S	673.27	667.59	667.27	173.12	167.44	167.11	4
17	I	710.96	705.29	704.96	144.11	138.43	138.10	3
18	K*	767.67	761.99	761.66	106.41	100.74	100.41	2
19	K	-	-	-	49.71	44.03	43.71	1

-

2377.16 K.FTGWTDVPLSEK*GEEEEIAAGK.Y

psulPF11_0208 | organism=Plasmodium_falciparum_3D7 |
 product=phosphoglycerate mutase, putative | lo 21 - 43

#7391-7391 NL: 3.22E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	22
2	T	249.12	232.10	231.11	2230.09	2213.06	2212.08	21
3	G	306.14	289.12	288.13	2129.04	2112.01	2111.03	20
4	W	492.22	475.20	474.21	2072.02	2054.99	2054.01	19
5	T	593.27	576.25	575.26	1885.94	1868.91	1867.93	18
6	D	708.30	691.27	690.29	1784.89	1767.86	1766.88	17
7	V	807.37	790.34	789.36	1669.86	1652.84	1651.85	16
8	P	904.42	887.39	886.41	1570.80	1553.77	1552.79	15
9	L	1017.50	1000.48	999.49	1473.74	1456.72	1455.73	14
10	S	1104.54	1087.51	1086.53	1360.66	1343.63	1342.65	13
11	E	1233.58	1216.55	1215.57	1273.63	1256.60	1255.62	12
12	K	1361.67	1344.65	1343.66	1144.58	1127.56	1126.57	11
13	G	1418.70	1401.67	1400.68	1016.49	999.46	998.48	10
14	E	1547.74	1530.71	1529.73	959.47	942.44	941.46	9
15	E	1676.78	1659.75	1658.77	830.43	813.40	812.41	8
16	E	1805.82	1788.80	1787.81	701.38	684.36	683.37	7
17	A	1876.86	1859.83	1858.85	572.34	555.31	554.33	6
18	I	1989.94	1972.92	1971.93	501.30	484.28	483.29	5
19	A	2060.98	2043.95	2042.97	388.22	371.19	370.21	4
20	A	2132.02	2114.99	2114.01	317.18	300.16	299.17	3
21	G	2189.04	2172.01	2171.03	246.14	229.12	228.13	2

22	K*	-	-	-	189.12	172.10	171.11	1
----	----	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	22
2	T	125.07	116.55	116.06	1115.55	1107.03	1106.54	21
3	G	153.58	145.06	144.57	1065.02	1056.51	1056.02	20
4	W	246.62	238.10	237.61	1036.51	1028.00	1027.51	19
5	T	297.14	288.63	288.13	943.47	934.96	934.47	18
6	D	354.65	346.14	345.65	892.95	884.44	883.94	17
7	V	404.19	395.67	395.18	835.44	826.92	826.43	16
8	P	452.71	444.20	443.71	785.90	777.39	776.90	15
9	L	509.26	500.74	500.25	737.38	728.86	728.37	14
10	S	552.77	544.26	543.77	680.83	672.32	671.83	13
11	E	617.29	608.78	608.29	637.32	628.80	628.31	12
12	K	681.34	672.83	672.34	572.80	564.28	563.79	11
13	G	709.85	701.34	700.85	508.75	500.24	499.74	10
14	E	774.37	765.86	765.37	480.24	471.72	471.23	9
15	E	838.89	830.38	829.89	415.72	407.20	406.71	8
16	E	903.42	894.90	894.41	351.20	342.68	342.19	7
17	A	938.93	930.42	929.93	286.67	278.16	277.67	6
18	I	995.48	986.96	986.47	251.16	242.64	242.15	5
19	A	1030.99	1022.48	1021.99	194.61	186.10	185.61	4
20	A	1066.51	1058.00	1057.51	159.09	150.58	150.09	3
21	G	1095.02	1086.51	1086.02	123.58	115.06	114.57	2
22	K*	-	-	-	95.07	86.55	86.06	1

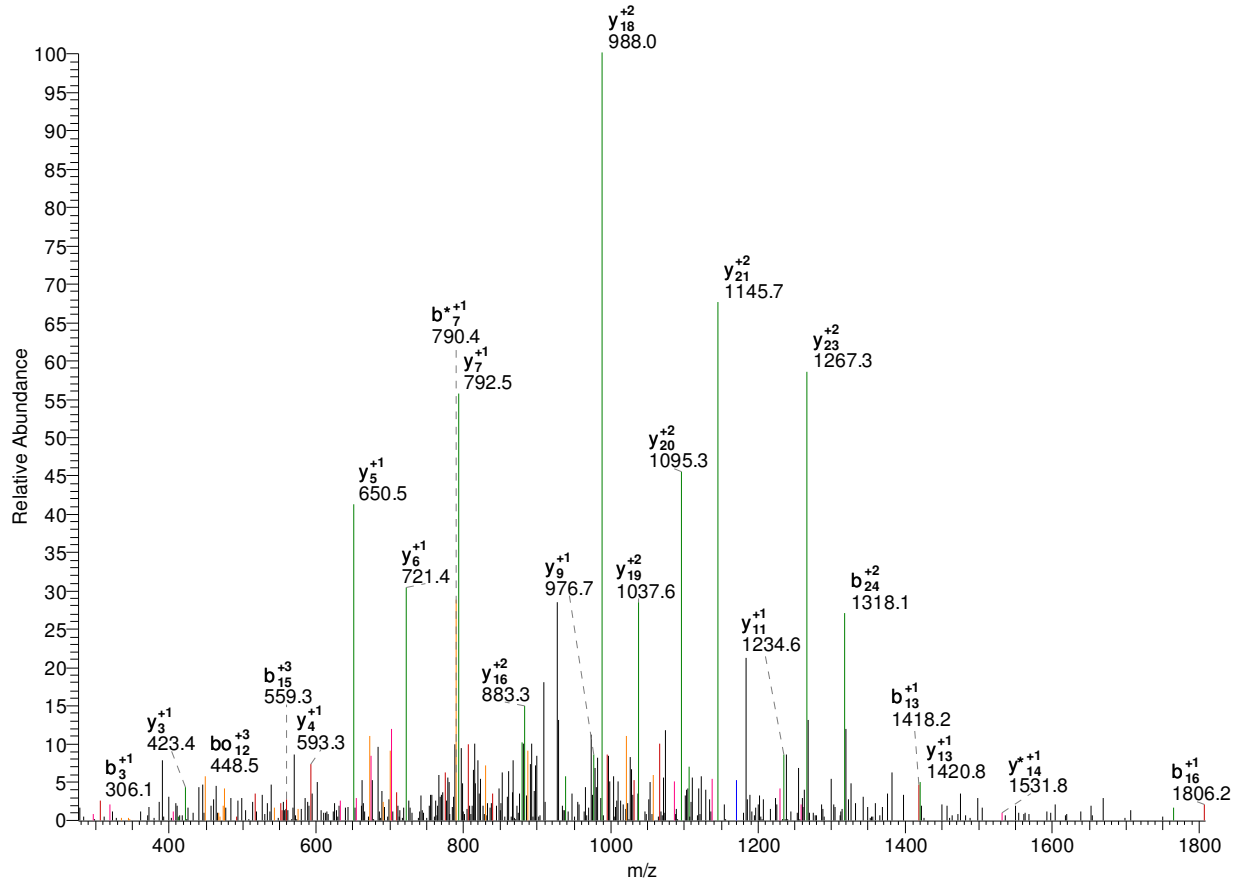
-

2781.40 K.FTGWTDVPLSEKGE EEEAIAAGK*YLK.E

psulPF11_0208 | organism=Plasmodium_falciparum_3D7 |

product=phosphoglycerate mutase, putative | lo 21 - 46

#8305-8305 NL: 1.62E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	25
2	T	249.12	232.10	231.11	2634.33	2617.30	2616.32	24
3	G	306.14	289.12	288.13	2533.28	2516.26	2515.27	23
4	W	492.22	475.20	474.21	2476.26	2459.23	2458.25	22
5	T	593.27	576.25	575.26	2290.18	2273.15	2272.17	21
6	D	708.30	691.27	690.29	2189.13	2172.11	2171.12	20
7	V	807.37	790.34	789.36	2074.11	2057.08	2056.10	19
8	P	904.42	887.39	886.41	1975.04	1958.01	1957.03	18
9	L	1017.50	1000.48	999.49	1877.99	1860.96	1859.97	17
10	S	1104.54	1087.51	1086.53	1764.90	1747.87	1746.89	16
11	E	1233.58	1216.55	1215.57	1677.87	1660.84	1659.86	15
12	K	1361.67	1344.65	1343.66	1548.83	1531.80	1530.82	14
13	G	1418.70	1401.67	1400.68	1420.73	1403.71	1402.72	13
14	E	1547.74	1530.71	1529.73	1363.71	1346.68	1345.70	12
15	E	1676.78	1659.75	1658.77	1234.67	1217.64	1216.66	11
16	E	1805.82	1788.80	1787.81	1105.63	1088.60	1087.61	10
17	A	1876.86	1859.83	1858.85	976.58	959.56	958.57	9
18	I	1989.94	1972.92	1971.93	905.55	888.52	887.53	8
19	A	2060.98	2043.95	2042.97	792.46	775.43	774.45	7
20	A	2132.02	2114.99	2114.01	721.42	704.40	703.41	6
21	G	2189.04	2172.01	2171.03	650.39	633.36	632.38	5

22	K*	2359.15	2342.12	2341.13	593.37	576.34	575.36	4
23	Y	2522.21	2505.18	2504.20	423.26	406.23	405.25	3
24	L	2635.29	2618.27	2617.28	260.20	243.17	242.19	2
25	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	25
2	T	125.07	116.55	116.06	1317.67	1309.16	1308.66	24
3	G	153.58	145.06	144.57	1267.14	1258.63	1258.14	23
4	W	246.62	238.10	237.61	1238.63	1230.12	1229.63	22
5	T	297.14	288.63	288.13	1145.59	1137.08	1136.59	21
6	D	354.65	346.14	345.65	1095.07	1086.56	1086.07	20
7	V	404.19	395.67	395.18	1037.56	1029.04	1028.55	19
8	P	452.71	444.20	443.71	988.02	979.51	979.02	18
9	L	509.26	500.74	500.25	939.50	930.98	930.49	17
10	S	552.77	544.26	543.77	882.95	874.44	873.95	16
11	E	617.29	608.78	608.29	839.44	830.93	830.43	15
12	K	681.34	672.83	672.34	774.92	766.40	765.91	14
13	G	709.85	701.34	700.85	710.87	702.36	701.86	13
14	E	774.37	765.86	765.37	682.36	673.85	673.35	12
15	E	838.89	830.38	829.89	617.84	609.32	608.83	11
16	E	903.42	894.90	894.41	553.32	544.80	544.31	10
17	A	938.93	930.42	929.93	488.79	480.28	479.79	9
18	I	995.48	986.96	986.47	453.28	444.76	444.27	8
19	A	1030.99	1022.48	1021.99	396.73	388.22	387.73	7
20	A	1066.51	1058.00	1057.51	361.22	352.70	352.21	6
21	G	1095.02	1086.51	1086.02	325.70	317.18	316.69	5
22	K*	1180.08	1171.56	1171.07	297.19	288.67	288.18	4
23	Y	1261.61	1253.09	1252.60	212.13	203.62	203.13	3
24	L	1318.15	1309.64	1309.14	130.60	122.09	121.60	2
25	K	-	-	-	74.06	65.55	65.05	1

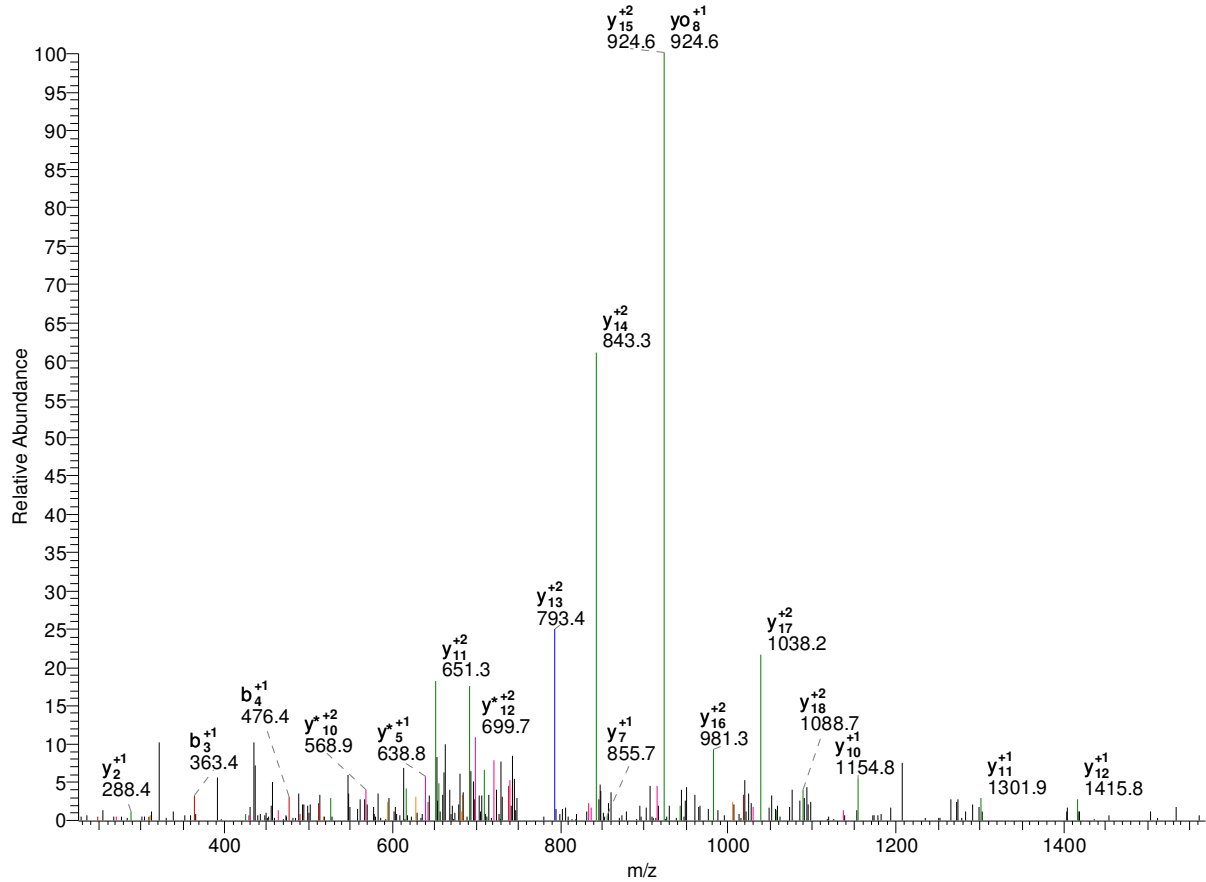
-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	F	50.03	44.35	44.03	-	-	-	25
2	T	83.71	78.04	77.71	878.78	873.11	872.78	24
3	G	102.72	97.04	96.72	845.10	839.42	839.10	23
4	W	164.75	159.07	158.74	826.09	820.42	820.09	22
5	T	198.43	192.75	192.43	764.07	758.39	758.06	21
6	D	236.77	231.10	230.77	730.38	724.71	724.38	20
7	V	269.79	264.12	263.79	692.04	686.36	686.04	19
8	P	302.14	296.47	296.14	659.02	653.34	653.01	18
9	L	339.84	334.16	333.84	626.67	620.99	620.66	17
10	S	368.85	363.17	362.85	588.97	583.30	582.97	16
11	E	411.86	406.19	405.86	559.96	554.29	553.96	15
12	K	454.56	448.89	448.56	516.95	511.27	510.94	14
13	G	473.57	467.89	467.57	474.25	468.57	468.25	13
14	E	516.58	510.91	510.58	455.24	449.57	449.24	12
15	E	559.60	553.92	553.59	412.23	406.55	406.22	11
16	E	602.61	596.94	596.61	369.21	363.54	363.21	10
17	A	626.29	620.62	620.29	326.20	320.52	320.20	9
18	I	663.99	658.31	657.98	302.52	296.84	296.52	8
19	A	687.67	681.99	681.66	264.83	259.15	258.82	7
20	A	711.34	705.67	705.34	241.15	235.47	235.14	6
21	G	730.35	724.68	724.35	217.47	211.79	211.46	5
22	K*	787.05	781.38	781.05	198.46	192.78	192.46	4
23	Y	841.41	835.73	835.40	141.76	136.08	135.75	3
24	L	879.10	873.43	873.10	87.40	81.73	81.40	2
25	K	-	-	-	49.71	44.03	43.71	1

2323.17 K.FTNLYVK*NFPDSVTETHLR.Q

psuPFL1170w | organism=Plasmodium_falciparum_3D7 | product=polyadenylate-binding protein, putative 191 - 210

#6109-6109 NL: 1.65E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	19
2	T	249.12	232.10	231.11	2176.10	2159.08	2158.09	18
3	N	363.17	346.14	345.16	2075.06	2058.03	2057.05	17
4	L	476.25	459.22	458.24	1961.01	1943.99	1943.00	16
5	Y	639.31	622.29	621.30	1847.93	1830.90	1829.92	15
6	V	738.38	721.36	720.37	1684.87	1667.84	1666.85	14
7	K*	908.49	891.46	890.48	1585.80	1568.77	1567.79	13
8	N	1022.53	1005.50	1004.52	1415.69	1398.66	1397.68	12
9	F	1169.60	1152.57	1151.59	1301.65	1284.62	1283.64	11
10	P	1266.65	1249.63	1248.64	1154.58	1137.55	1136.57	10
11	D	1381.68	1364.65	1363.67	1057.53	1040.50	1039.52	9
12	S	1468.71	1451.68	1450.70	942.50	925.47	924.49	8
13	V	1567.78	1550.75	1549.77	855.47	838.44	837.46	7
14	T	1668.83	1651.80	1650.82	756.40	739.37	738.39	6
15	E	1797.87	1780.84	1779.86	655.35	638.33	637.34	5
16	T	1898.92	1881.89	1880.91	526.31	509.28	508.30	4
17	H	2035.98	2018.95	2017.97	425.26	408.24	407.25	3
18	L	2149.06	2132.03	2131.05	288.20	271.18	270.19	2
19	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	19
2	T	125.07	116.55	116.06	1088.56	1080.04	1079.55	18
3	N	182.09	173.57	173.08	1038.03	1029.52	1029.03	17
4	L	238.63	230.12	229.62	981.01	972.50	972.00	16
5	Y	320.16	311.65	311.16	924.47	915.95	915.46	15
6	V	369.69	361.18	360.69	842.94	834.42	833.93	14
7	K*	454.75	446.23	445.74	793.40	784.89	784.40	13
8	N	511.77	503.26	502.76	708.35	699.84	699.34	12
9	F	585.30	576.79	576.30	651.33	642.81	642.32	11
10	P	633.83	625.32	624.82	577.79	569.28	568.79	10
11	D	691.34	682.83	682.34	529.27	520.75	520.26	9
12	S	734.86	726.35	725.85	471.75	463.24	462.75	8
13	V	784.39	775.88	775.39	428.24	419.72	419.23	7
14	T	834.92	826.40	825.91	378.70	370.19	369.70	6
15	E	899.44	890.93	890.43	328.18	319.67	319.17	5
16	T	949.96	941.45	940.96	263.66	255.15	254.65	4
17	H	1018.49	1009.98	1009.49	213.13	204.62	204.13	3
18	L	1075.03	1066.52	1066.03	144.61	136.09	135.60	2
19	R	-	-	-	88.06	79.55	79.06	1

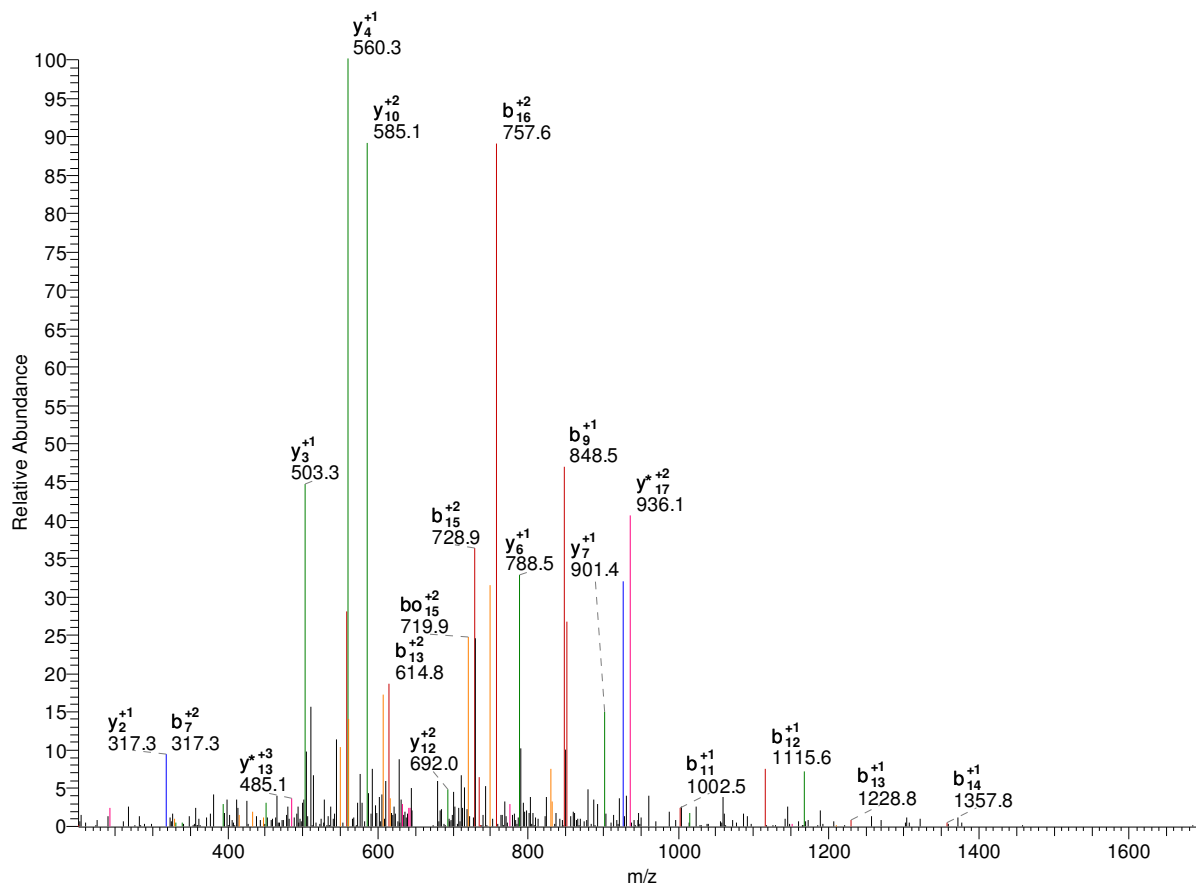
-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	F	50.03	44.35	44.03	-	-	-	19
2	T	83.71	78.04	77.71	726.04	720.36	720.04	18
3	N	121.73	116.05	115.72	692.36	686.68	686.35	17
4	L	159.42	153.75	153.42	654.34	648.67	648.34	16
5	Y	213.78	208.10	207.77	616.65	610.97	610.64	15
6	V	246.80	241.12	240.80	562.29	556.62	556.29	14
7	K*	303.50	297.83	297.50	529.27	523.59	523.27	13
8	N	341.52	335.84	335.51	472.57	466.89	466.57	12
9	F	390.54	384.86	384.53	434.55	428.88	428.55	11
10	P	422.89	417.21	416.89	385.53	379.86	379.53	10
11	D	461.23	455.56	455.23	353.18	347.51	347.18	9
12	S	490.24	484.57	484.24	314.84	309.16	308.83	8
13	V	523.26	517.59	517.26	285.83	280.15	279.82	7
14	T	556.95	551.27	550.94	252.80	247.13	246.80	6
15	E	599.96	594.29	593.96	219.12	213.45	213.12	5
16	T	633.64	627.97	627.64	176.11	170.43	170.10	4
17	H	679.33	673.65	673.33	142.43	136.75	136.42	3
18	L	717.02	711.35	711.02	96.74	91.06	90.74	2
19	R	-	-	-	59.04	53.37	53.04	1

-

psu|PF08_0034 | organism=Plasmodium_falciparum_3D7 | product=histone acetyltransferase Gcn5, putati 1346 - 1365

#8019-8019 NL: 3.76E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	19
2	A	129.07	112.04	111.06	1959.11	1942.08	1941.10	18
3	A	200.10	183.08	182.09	1888.07	1871.04	1870.06	17
4	L	313.19	296.16	295.18	1817.03	1800.01	1799.02	16
5	H	450.25	433.22	432.24	1703.95	1686.92	1685.94	15
6	P	547.30	530.27	529.29	1566.89	1549.86	1548.88	14
7	S	634.33	617.30	616.32	1469.84	1452.81	1451.83	13
8	T	735.38	718.35	717.37	1382.80	1365.78	1364.79	12
9	I	848.46	831.44	830.45	1281.76	1264.73	1263.75	11
10	P	945.52	928.49	927.50	1168.67	1151.65	1150.66	10
11	G	1002.54	985.51	984.53	1071.62	1054.59	1053.61	9
12	L	1115.62	1098.59	1097.61	1014.60	997.57	996.59	8
13	L	1228.70	1211.68	1210.69	901.51	884.49	883.50	7
14	E	1357.75	1340.72	1339.74	788.43	771.40	770.42	6
15	V	1456.82	1439.79	1438.81	659.39	642.36	641.38	5
16	G	1513.84	1496.81	1495.83	560.32	543.29	542.31	4
17	W	1699.92	1682.89	1681.91	503.30	486.27	485.29	3
18	K*	1870.02	1853.00	1852.01	317.22	300.19	299.21	2
19	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

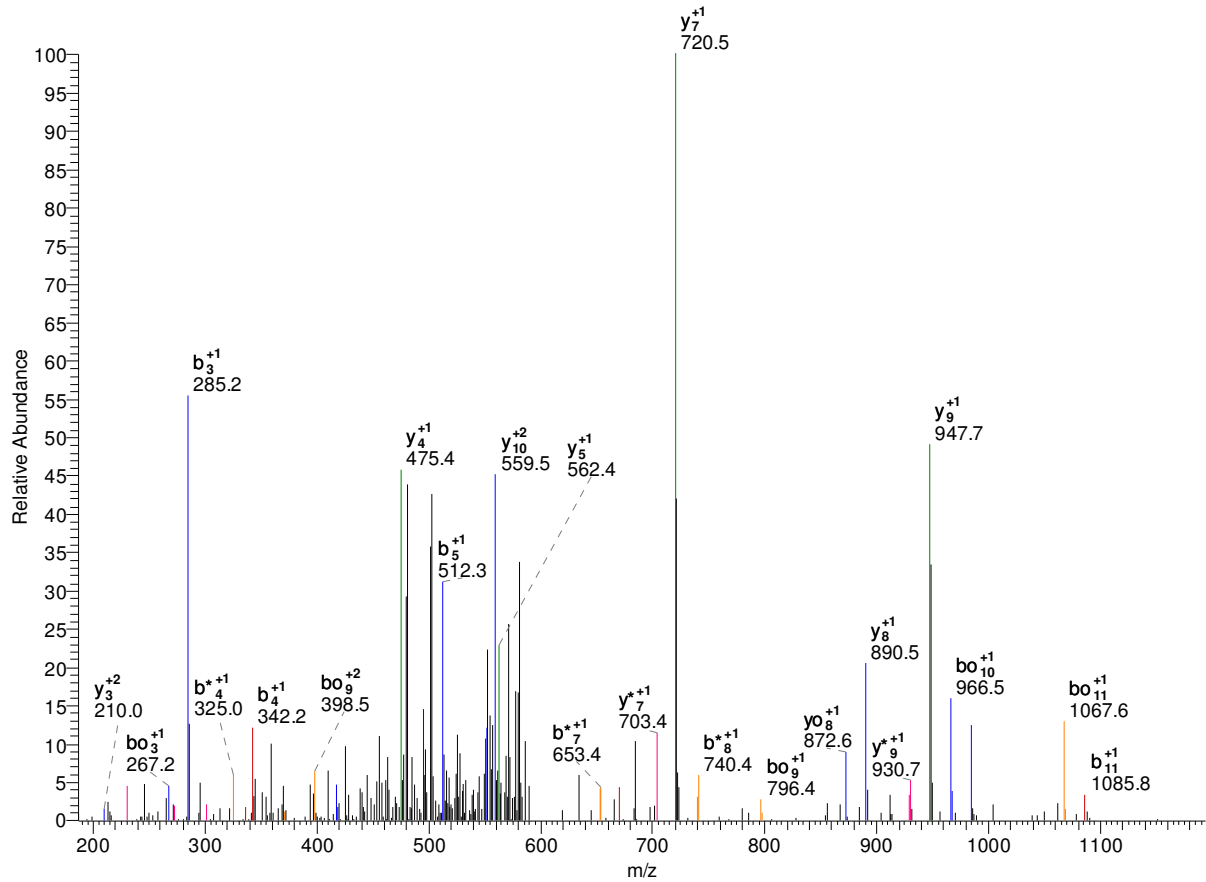
1	G	29.52	21.00	20.51	-	-	-	19
2	A	65.04	56.52	56.03	980.06	971.54	971.05	18
3	A	100.56	92.04	91.55	944.54	936.02	935.53	17
4	L	157.10	148.58	148.09	909.02	900.51	900.01	16
5	H	225.63	217.11	216.62	852.48	843.96	843.47	15
6	P	274.15	265.64	265.15	783.95	775.43	774.94	14
7	S	317.67	309.16	308.66	735.42	726.91	726.42	13
8	T	368.19	359.68	359.19	691.91	683.39	682.90	12
9	I	424.73	416.22	415.73	641.38	632.87	632.38	11
10	P	473.26	464.75	464.26	584.84	576.33	575.83	10
11	G	501.77	493.26	492.77	536.31	527.80	527.31	9
12	L	558.31	549.80	549.31	507.80	499.29	498.80	8
13	L	614.86	606.34	605.85	451.26	442.75	442.26	7
14	E	679.38	670.86	670.37	394.72	386.21	385.71	6
15	V	728.91	720.40	719.91	330.20	321.68	321.19	5
16	G	757.42	748.91	748.42	280.66	272.15	271.66	4
17	W	850.46	841.95	841.46	252.15	243.64	243.15	3
18	K*	935.51	927.00	926.51	159.11	150.60	150.11	2
19	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	G	20.01	14.34	14.01	-	-	-	19
2	A	43.69	38.02	37.69	653.71	648.03	647.70	18
3	A	67.37	61.70	61.37	630.03	624.35	624.02	17
4	L	105.07	99.39	99.06	606.35	600.67	600.35	16
5	H	150.75	145.08	144.75	568.65	562.98	562.65	15
6	P	183.10	177.43	177.10	522.97	517.29	516.96	14
7	S	212.12	206.44	206.11	490.62	484.94	484.61	13
8	T	245.80	240.12	239.79	461.61	455.93	455.60	12
9	I	283.49	277.82	277.49	427.92	422.25	421.92	11
10	P	315.84	310.17	309.84	390.23	384.55	384.23	10
11	G	334.85	329.17	328.85	357.88	352.20	351.87	9
12	L	372.55	366.87	366.54	338.87	333.20	332.87	8
13	L	410.24	404.56	404.24	301.18	295.50	295.17	7
14	E	453.25	447.58	447.25	263.48	257.81	257.48	6
15	V	486.28	480.60	480.27	220.47	214.79	214.46	5
16	G	505.28	499.61	499.28	187.44	181.77	181.44	4
17	W	567.31	561.63	561.31	168.44	162.76	162.43	3
18	K*	624.01	618.34	618.01	106.41	100.74	100.41	2
19	K	-	-	-	49.71	44.03	43.71	1

-

1231.66 K.GGK*GK*TGSGK*TK.K
 psu|PFC0920w | organism=Plasmodium_falciparum_3D7 | product=histone H2A variant,
 putative | locatio 25 - 37
 #219-219 NL: 1.29E2



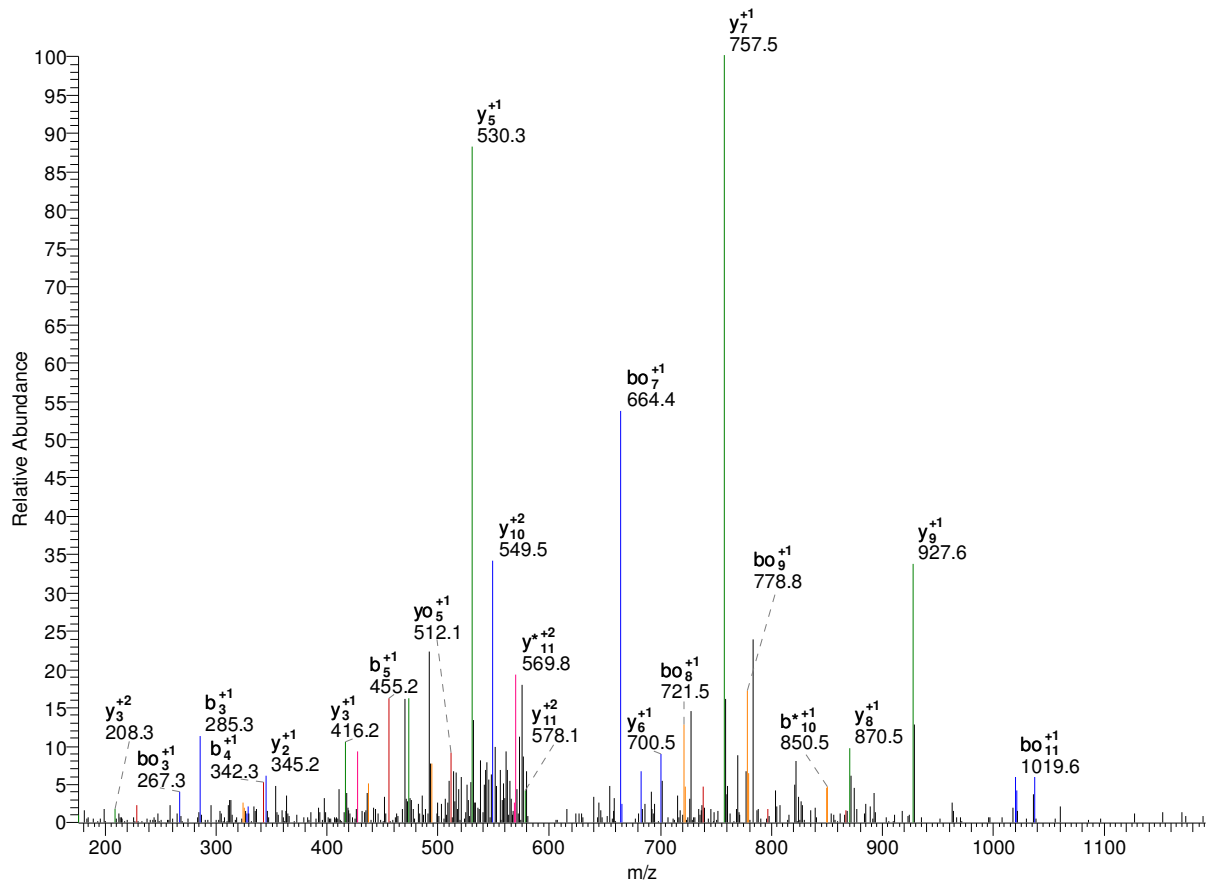
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	12
2	G	115.05	98.02	97.04	1174.64	1157.62	1156.63	11
3	K*	285.16	268.13	267.15	1117.62	1100.59	1099.61	10
4	G	342.18	325.15	324.17	947.52	930.49	929.51	9
5	K*	512.28	495.26	494.27	890.49	873.47	872.48	8
6	T	613.33	596.30	595.32	720.39	703.36	702.38	7
7	G	670.35	653.33	652.34	619.34	602.31	601.33	6
8	S	757.38	740.36	739.37	562.32	545.29	544.31	5
9	G	814.41	797.38	796.39	475.29	458.26	457.28	4
10	K*	984.51	967.48	966.50	418.27	401.24	400.26	3
11	T	1085.56	1068.53	1067.55	248.16	231.13	230.15	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	12
2	G	58.03	49.52	49.02	587.82	579.31	578.82	11
3	K*	143.08	134.57	134.08	559.31	550.80	550.31	10
4	G	171.59	163.08	162.59	474.26	465.75	465.26	9
5	K*	256.65	248.13	247.64	445.75	437.24	436.75	8
6	T	307.17	298.66	298.16	360.70	352.18	351.69	7
7	G	335.68	327.17	326.67	310.17	301.66	301.17	6

8	S	379.20	370.68	370.19	281.66	273.15	272.66	5
9	G	407.71	399.19	398.70	238.15	229.63	229.14	4
10	K*	492.76	484.25	483.75	209.64	201.12	200.63	3
11	T	543.28	534.77	534.28	124.58	116.07	115.58	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1211.69 K.GGK*GLGK*GGAK*R.H
 psu|PF11_0061 | organism=Plasmodium_falciparum_3D7 | product=histone H4, putative |
 location=MAL11: 6 - 18
 #1133-1133 NL:2.68E2



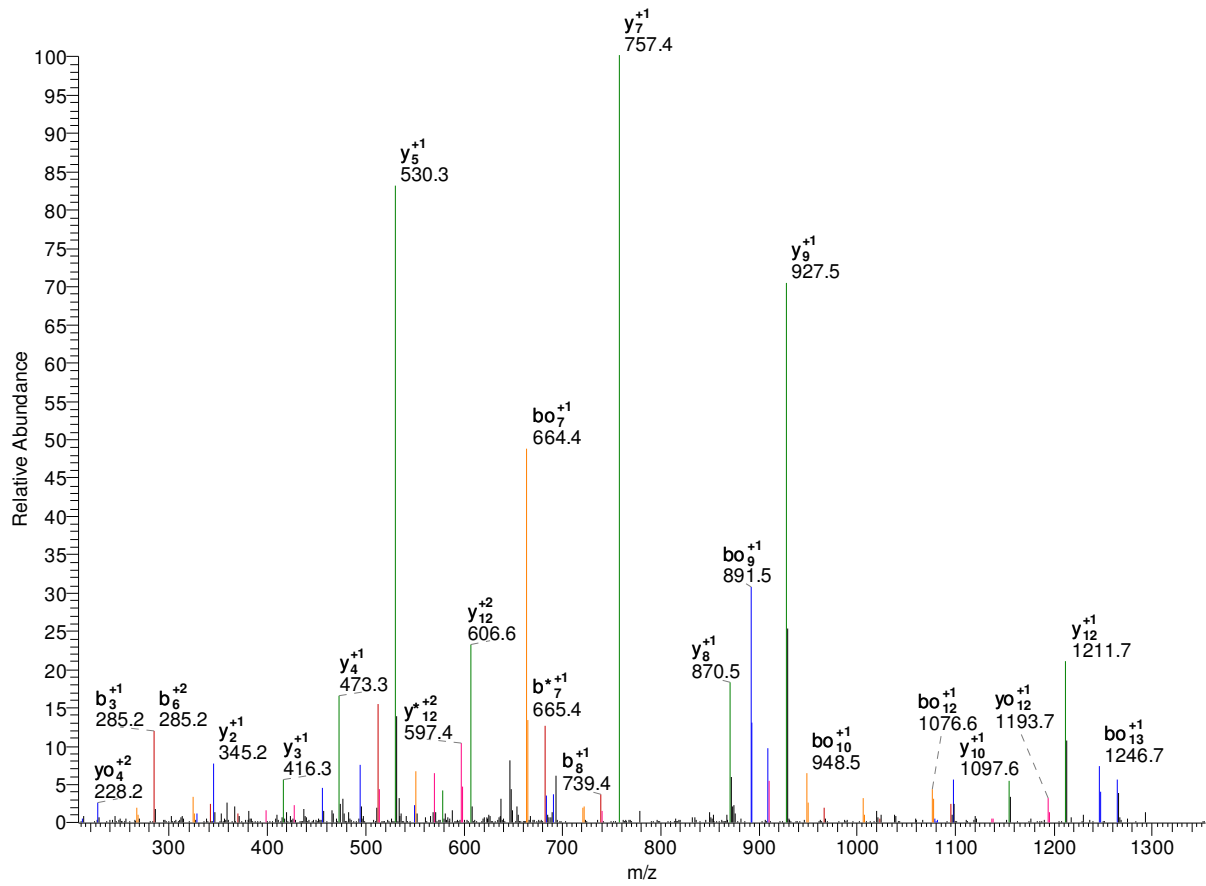
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	12
2	G	115.05	98.02	97.04	1154.66	1137.64	1136.65	11
3	K*	285.16	268.13	267.15	1097.64	1080.62	1079.63	10
4	G	342.18	325.15	324.17	927.54	910.51	909.53	9
5	L	455.26	438.23	437.25	870.52	853.49	852.51	8
6	G	512.28	495.26	494.27	757.43	740.40	739.42	7
7	K*	682.39	665.36	664.38	700.41	683.38	682.40	6
8	G	739.41	722.38	721.40	530.30	513.28	512.29	5
9	G	796.43	779.40	778.42	473.28	456.26	455.27	4
10	A	867.47	850.44	849.46	416.26	399.24	398.25	3
11	K*	1037.57	1020.55	1019.56	345.22	328.20	327.21	2
12	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	12
2	G	58.03	49.52	49.02	577.84	569.32	568.83	11
3	K*	143.08	134.57	134.08	549.32	540.81	540.32	10
4	G	171.59	163.08	162.59	464.27	455.76	455.27	9
5	L	228.13	219.62	219.13	435.76	427.25	426.76	8
6	G	256.65	248.13	247.64	379.22	370.71	370.21	7
7	K*	341.70	333.18	332.69	350.71	342.20	341.70	6
8	G	370.21	361.70	361.20	265.66	257.14	256.65	5

9	G	398.72	390.21	389.71	237.15	228.63	228.14	4
10	A	434.24	425.72	425.23	208.63	200.12	199.63	3
11	K*	519.29	510.78	510.29	173.12	164.60	164.11	2
12	R	-	-	-	88.06	79.55	79.06	1

-

1438.81 R.GK*GGK*GLGK*GGAK*R.H
 psu|PF11_0061 | organism=Plasmodium_falciparum_3D7 | product=histone H4, putative |
 location=MAL11: 4 - 18
 #1098-1098 NL:2.85E4



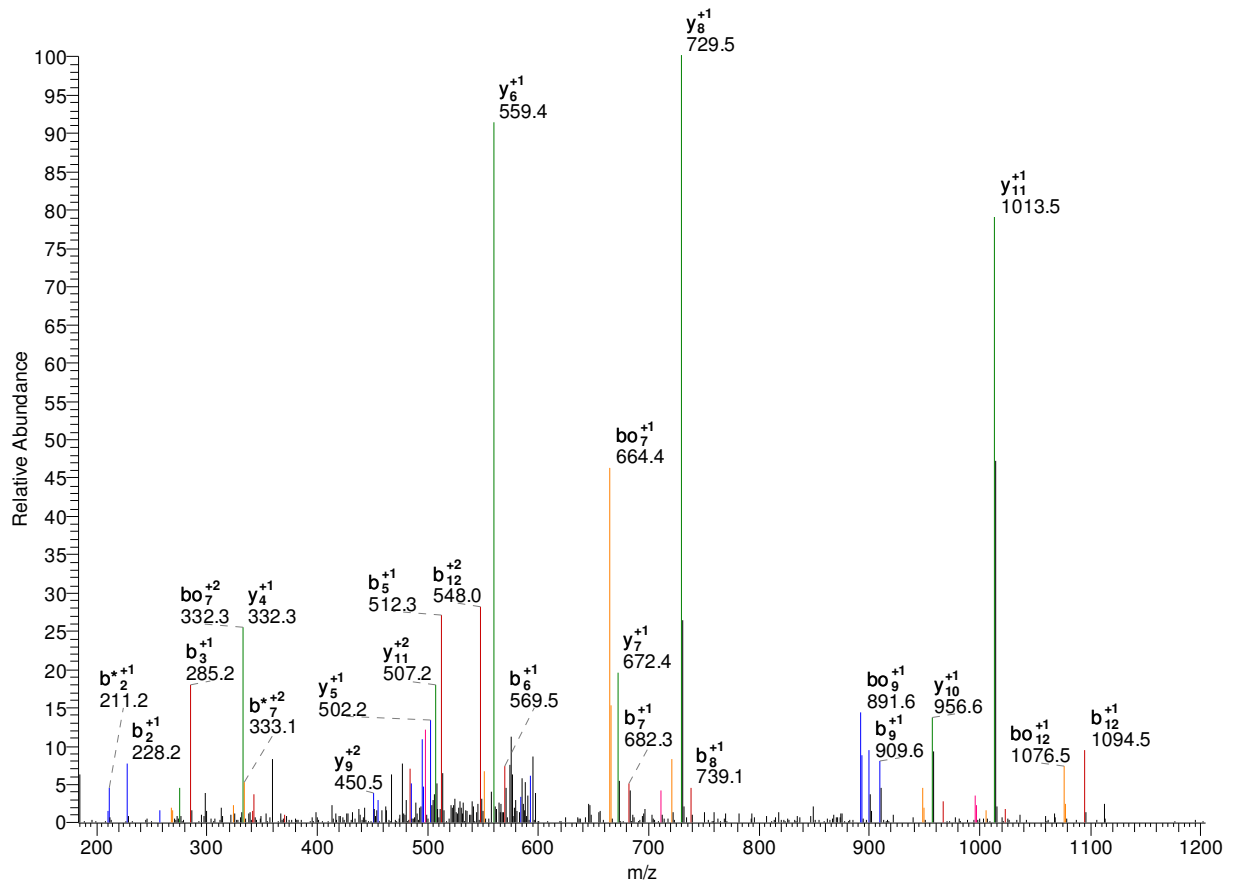
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	14
2	K*	228.13	211.11	210.12	1381.79	1364.76	1363.78	13
3	G	285.16	268.13	267.15	1211.69	1194.66	1193.67	12
4	G	342.18	325.15	324.17	1154.66	1137.64	1136.65	11
5	K*	512.28	495.26	494.27	1097.64	1080.62	1079.63	10
6	G	569.30	552.28	551.29	927.54	910.51	909.53	9
7	L	682.39	665.36	664.38	870.52	853.49	852.51	8
8	G	739.41	722.38	721.40	757.43	740.40	739.42	7
9	K*	909.52	892.49	891.50	700.41	683.38	682.40	6
10	G	966.54	949.51	948.53	530.30	513.28	512.29	5
11	G	1023.56	1006.53	1005.55	473.28	456.26	455.27	4
12	A	1094.60	1077.57	1076.58	416.26	399.24	398.25	3
13	K*	1264.70	1247.67	1246.69	345.22	328.20	327.21	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	14
2	K*	114.57	106.06	105.57	691.40	682.89	682.39	13
3	G	143.08	134.57	134.08	606.35	597.83	597.34	12
4	G	171.59	163.08	162.59	577.84	569.32	568.83	11
5	K*	256.65	248.13	247.64	549.32	540.81	540.32	10

6	G	285.16	276.64	276.15	464.27	455.76	455.27	9
7	L	341.70	333.18	332.69	435.76	427.25	426.76	8
8	G	370.21	361.70	361.20	379.22	370.71	370.21	7
9	K*	455.26	446.75	446.26	350.71	342.20	341.70	6
10	G	483.77	475.26	474.77	265.66	257.14	256.65	5
11	G	512.28	503.77	503.28	237.15	228.63	228.14	4
12	A	547.80	539.29	538.80	208.63	200.12	199.63	3
13	K*	632.85	624.34	623.85	173.12	164.60	164.11	2
14	R	-	-	-	88.06	79.55	79.06	1

-

1240.70 R.GK*GGK*GLGK*GGAK.R
 psu|PF11_0061 | organism=Plasmodium_falciparum_3D7 | product=histone H4, putative |
 location=MAL11: 4 - 17
 #883-883 NL: 6.07E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	13
2	K*	228.13	211.11	210.12	1183.68	1166.65	1165.67	12
3	G	285.16	268.13	267.15	1013.57	996.55	995.56	11
4	G	342.18	325.15	324.17	956.55	939.53	938.54	10
5	K*	512.28	495.26	494.27	899.53	882.50	881.52	9
6	G	569.30	552.28	551.29	729.43	712.40	711.41	8
7	L	682.39	665.36	664.38	672.40	655.38	654.39	7
8	G	739.41	722.38	721.40	559.32	542.29	541.31	6
9	K*	909.52	892.49	891.50	502.30	485.27	484.29	5
10	G	966.54	949.51	948.53	332.19	315.17	314.18	4
11	G	1023.56	1006.53	1005.55	275.17	258.14	257.16	3
12	A	1094.60	1077.57	1076.58	218.15	201.12	200.14	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	13
2	K*	114.57	106.06	105.57	592.34	583.83	583.34	12
3	G	143.08	134.57	134.08	507.29	498.78	498.29	11
4	G	171.59	163.08	162.59	478.78	470.27	469.77	10
5	K*	256.65	248.13	247.64	450.27	441.76	441.26	9
6	G	285.16	276.64	276.15	365.22	356.70	356.21	8

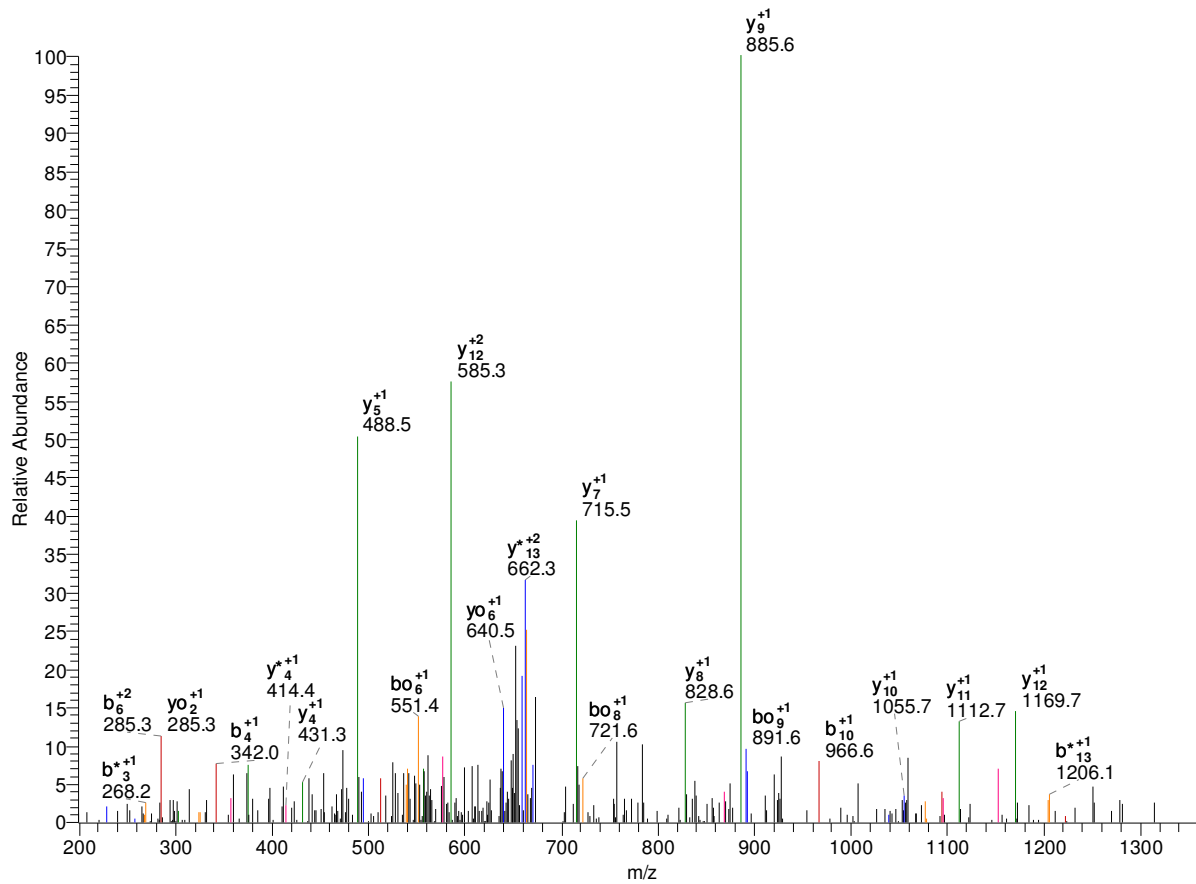
7	L	341.70	333.18	332.69	336.71	328.19	327.70	7
8	G	370.21	361.70	361.20	280.16	271.65	271.16	6
9	K*	455.26	446.75	446.26	251.65	243.14	242.65	5
10	G	483.77	475.26	474.77	166.60	158.09	157.59	4
11	G	512.28	503.77	503.28	138.09	129.58	129.08	3
12	A	547.80	539.29	538.80	109.58	101.07	100.57	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1396.80 R.GK*GK*GLGK*GGAKR.H

psu|PF11_0061 | organism=Plasmodium_falciparum_3D7 | product=histone H4, putative | location=MAL11: 4 - 18

#339-339 NL: 1.25E2



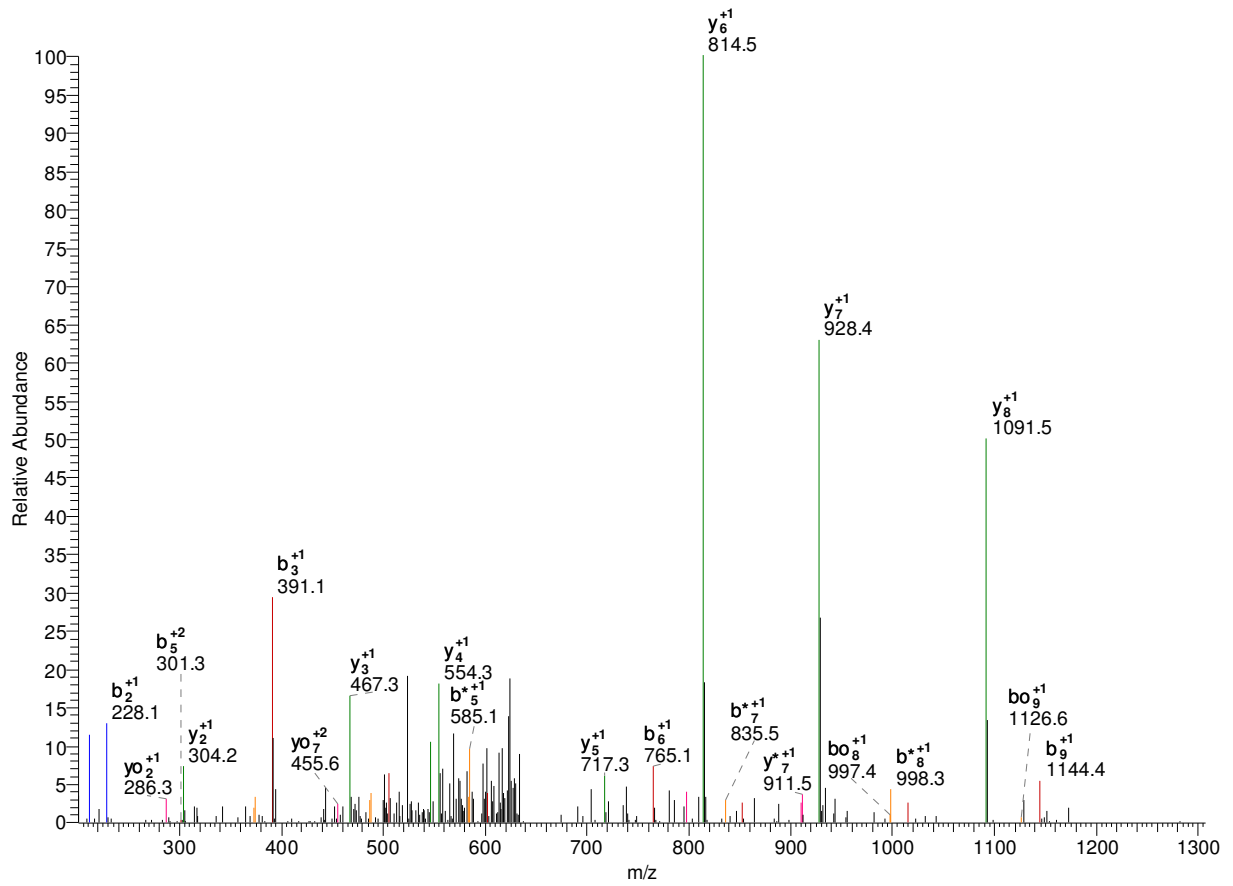
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	14
2	K*	228.13	211.11	210.12	1339.78	1322.75	1321.77	13
3	G	285.16	268.13	267.15	1169.67	1152.65	1151.66	12
4	G	342.18	325.15	324.17	1112.65	1095.63	1094.64	11
5	K*	512.28	495.26	494.27	1055.63	1038.61	1037.62	10
6	G	569.30	552.28	551.29	885.53	868.50	867.52	9
7	L	682.39	665.36	664.38	828.51	811.48	810.49	8
8	G	739.41	722.38	721.40	715.42	698.39	697.41	7
9	K*	909.52	892.49	891.50	658.40	641.37	640.39	6
10	G	966.54	949.51	948.53	488.29	471.27	470.28	5
11	G	1023.56	1006.53	1005.55	431.27	414.25	413.26	4
12	A	1094.60	1077.57	1076.58	374.25	357.22	356.24	3
13	K	1222.69	1205.66	1204.68	303.21	286.19	285.20	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	14
2	K*	114.57	106.06	105.57	670.39	661.88	661.39	13
3	G	143.08	134.57	134.08	585.34	576.83	576.34	12
4	G	171.59	163.08	162.59	556.83	548.32	547.83	11
5	K*	256.65	248.13	247.64	528.32	519.81	519.31	10

6	G	285.16	276.64	276.15	443.27	434.75	434.26	9
7	L	341.70	333.18	332.69	414.76	406.24	405.75	8
8	G	370.21	361.70	361.20	358.21	349.70	349.21	7
9	K*	455.26	446.75	446.26	329.70	321.19	320.70	6
10	G	483.77	475.26	474.77	244.65	236.14	235.65	5
11	G	512.28	503.77	503.28	216.14	207.63	207.13	4
12	A	547.80	539.29	538.80	187.63	179.12	178.62	3
13	K	611.85	603.34	602.84	152.11	143.60	143.11	2
14	R	-	-	-	88.06	79.55	79.06	1

-

1318.61 K.GK*YNPYSYER.K
 psu|PF11_0246 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 514 - 524
 #1715-1715 NL: 1.60E2



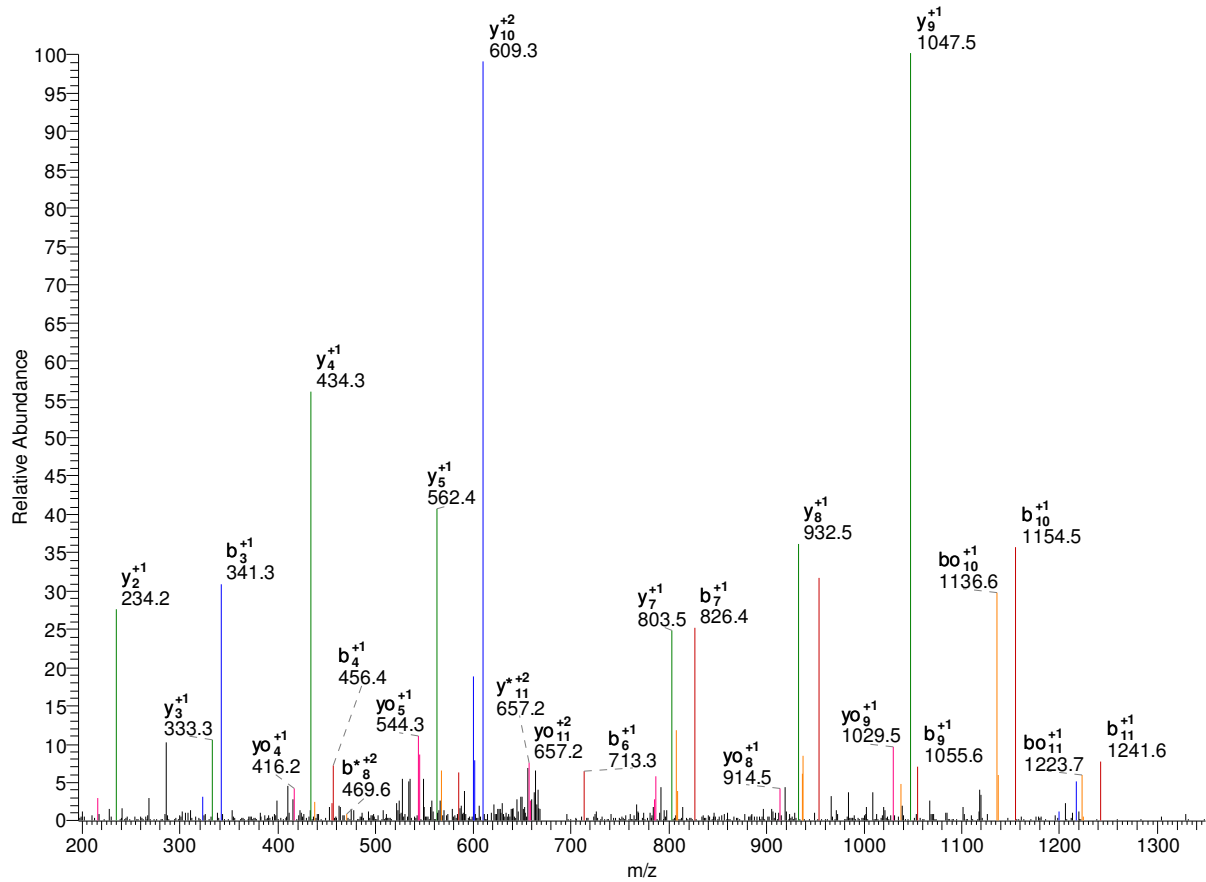
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	10
2	K*	228.13	211.11	210.12	1261.58	1244.56	1243.57	9
3	Y	391.20	374.17	373.19	1091.48	1074.45	1073.47	8
4	N	505.24	488.21	487.23	928.42	911.39	910.41	7
5	P	602.29	585.27	584.28	814.37	797.35	796.36	6
6	Y	765.36	748.33	747.35	717.32	700.29	699.31	5
7	S	852.39	835.36	834.38	554.26	537.23	536.25	4
8	Y	1015.45	998.43	997.44	467.22	450.20	449.21	3
9	E	1144.49	1127.47	1126.48	304.16	287.13	286.15	2
10	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	10
2	K*	114.57	106.06	105.57	631.30	622.78	622.29	9
3	Y	196.10	187.59	187.10	546.24	537.73	537.24	8
4	N	253.12	244.61	244.12	464.71	456.20	455.71	7
5	P	301.65	293.14	292.65	407.69	399.18	398.68	6
6	Y	383.18	374.67	374.18	359.16	350.65	350.16	5
7	S	426.70	418.18	417.69	277.63	269.12	268.63	4
8	Y	508.23	499.72	499.22	234.12	225.60	225.11	3
9	E	572.75	564.24	563.75	152.58	144.07	143.58	2
10	R	-	-	-	88.06	79.55	79.06	1

1387.74 R.GLK*DEQLQTVSK.I

psu|PFF1295w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | locat 323 - 335

#2410-2410 NL: 1.02E3



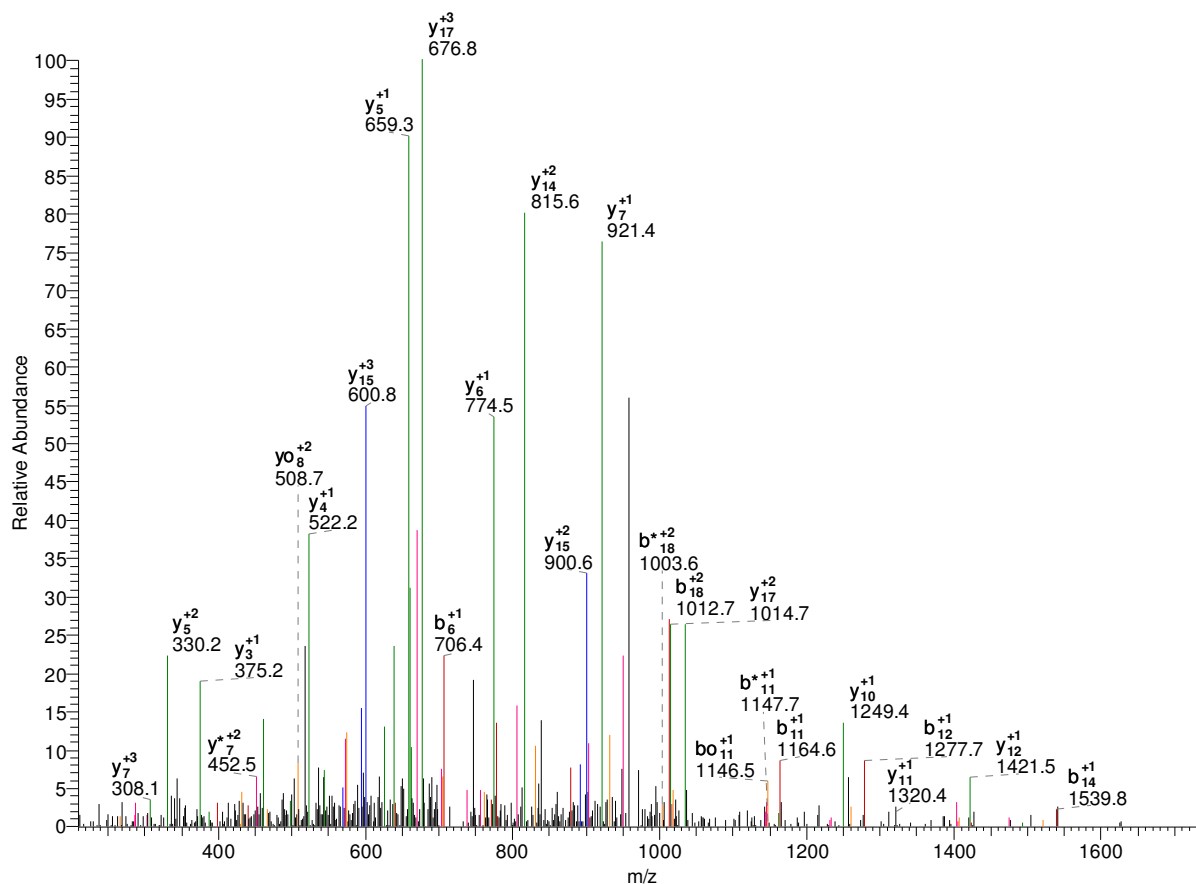
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	12
2	L	171.11	154.09	153.10	1330.72	1313.69	1312.71	11
3	K*	341.22	324.19	323.21	1217.64	1200.61	1199.63	10
4	D	456.25	439.22	438.23	1047.53	1030.51	1029.52	9
5	E	585.29	568.26	567.28	932.50	915.48	914.49	8
6	Q	713.35	696.32	695.34	803.46	786.44	785.45	7
7	L	826.43	809.40	808.42	675.40	658.38	657.39	6
8	Q	954.49	937.46	936.48	562.32	545.29	544.31	5
9	T	1055.54	1038.51	1037.53	434.26	417.23	416.25	4
10	V	1154.61	1137.58	1136.59	333.21	316.19	315.20	3
11	S	1241.64	1224.61	1223.63	234.14	217.12	216.13	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	12
2	L	86.06	77.55	77.05	665.86	657.35	656.86	11
3	K*	171.11	162.60	162.11	609.32	600.81	600.32	10
4	D	228.63	220.11	219.62	524.27	515.76	515.26	9
5	E	293.15	284.63	284.14	466.76	458.24	457.75	8
6	Q	357.18	348.66	348.17	402.23	393.72	393.23	7
7	L	413.72	405.21	404.71	338.21	329.69	329.20	6

8	Q	477.75	469.23	468.74	281.66	273.15	272.66	5
9	T	528.27	519.76	519.27	217.63	209.12	208.63	4
10	V	577.81	569.29	568.80	167.11	158.60	158.10	3
11	S	621.32	612.81	612.32	117.58	109.06	108.57	2
12	K	-	-	-	74.06	65.55	65.05	1

-

2198.10 K.GLLDK*HATASQLFDHFAER.I
 psu|PFF1155w | organism=Plasmodium_falciparum_3D7 | product=hexokinase |
 location=MAL6:981067-98254 140 - 159
 #7835-7835 NL: 2.99E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	19
2	L	171.11	154.09	153.10	2141.08	2124.05	2123.07	18
3	L	284.20	267.17	266.19	2027.99	2010.97	2009.98	17
4	D	399.22	382.20	381.21	1914.91	1897.88	1896.90	16
5	K*	569.33	552.30	551.32	1799.88	1782.86	1781.87	15
6	H	706.39	689.36	688.38	1629.78	1612.75	1611.77	14
7	A	777.43	760.40	759.41	1492.72	1475.69	1474.71	13
8	T	878.47	861.45	860.46	1421.68	1404.65	1403.67	12
9	A	949.51	932.48	931.50	1320.63	1303.61	1302.62	11
10	S	1036.54	1019.52	1018.53	1249.60	1232.57	1231.59	10
11	Q	1164.60	1147.57	1146.59	1162.56	1145.54	1144.55	9
12	L	1277.68	1260.66	1259.67	1034.51	1017.48	1016.49	8
13	F	1424.75	1407.73	1406.74	921.42	904.39	903.41	7
14	D	1539.78	1522.75	1521.77	774.35	757.33	756.34	6
15	H	1676.84	1659.81	1658.83	659.33	642.30	641.32	5
16	F	1823.91	1806.88	1805.90	522.27	505.24	504.26	4
17	A	1894.94	1877.92	1876.93	375.20	358.17	357.19	3
18	E	2023.99	2006.96	2005.98	304.16	287.13	286.15	2
19	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

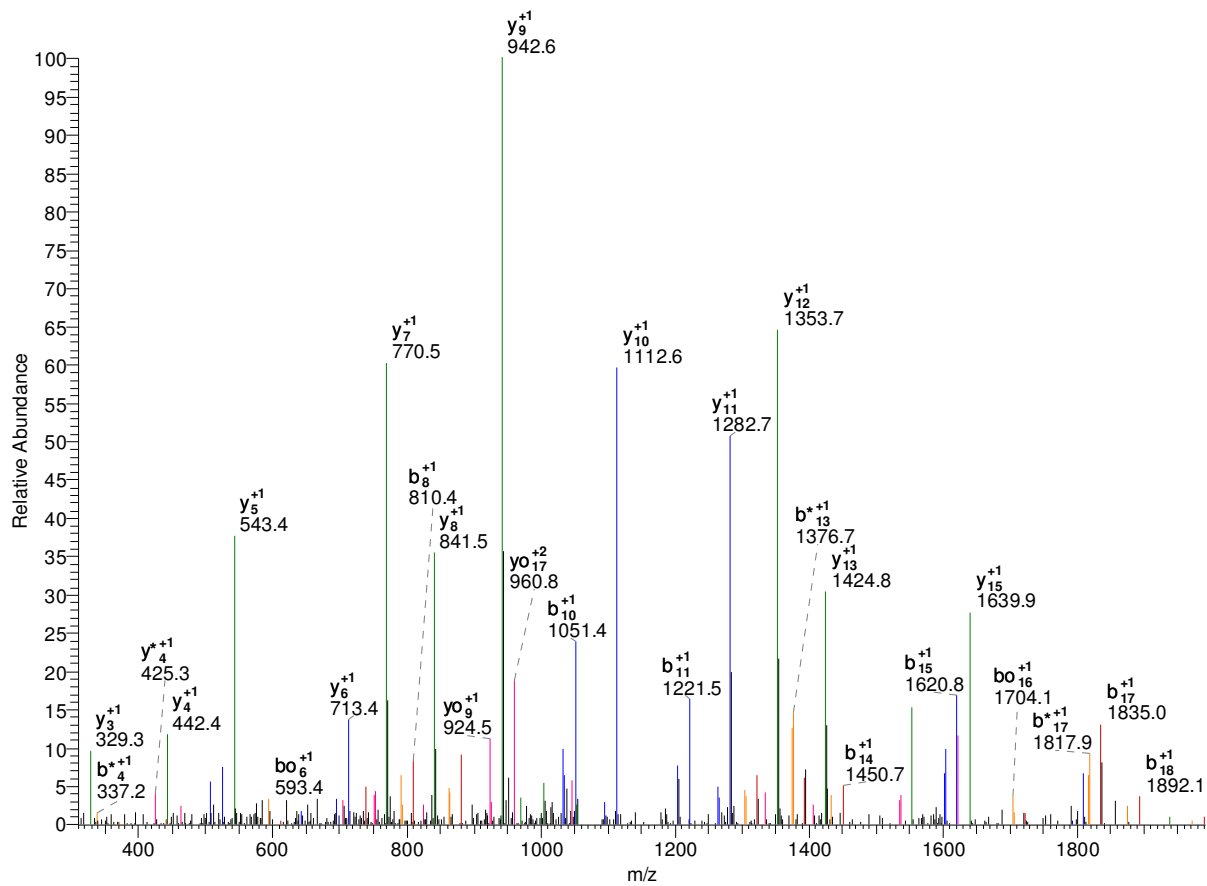
1	G	29.52	21.00	20.51	-	-	-	19
2	L	86.06	77.55	77.05	1071.04	1062.53	1062.04	18
3	L	142.60	134.09	133.60	1014.50	1005.99	1005.50	17
4	D	200.12	191.60	191.11	957.96	949.45	948.95	16
5	K*	285.17	276.66	276.16	900.44	891.93	891.44	15
6	H	353.70	345.18	344.69	815.39	806.88	806.39	14
7	A	389.22	380.70	380.21	746.86	738.35	737.86	13
8	T	439.74	431.23	430.73	711.34	702.83	702.34	12
9	A	475.26	466.75	466.25	660.82	652.31	651.81	11
10	S	518.77	510.26	509.77	625.30	616.79	616.30	10
11	Q	582.80	574.29	573.80	581.79	573.27	572.78	9
12	L	639.35	630.83	630.34	517.76	509.24	508.75	8
13	F	712.88	704.37	703.87	461.21	452.70	452.21	7
14	D	770.39	761.88	761.39	387.68	379.17	378.67	6
15	H	838.92	830.41	829.92	330.17	321.65	321.16	5
16	F	912.46	903.94	903.45	261.64	253.12	252.63	4
17	A	947.98	939.46	938.97	188.10	179.59	179.10	3
18	E	1012.50	1003.98	1003.49	152.58	144.07	143.58	2
19	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	G	20.01	14.34	14.01	-	-	-	19
2	L	57.71	52.03	51.71	714.36	708.69	708.36	18
3	L	95.40	89.73	89.40	676.67	670.99	670.67	17
4	D	133.75	128.07	127.74	638.97	633.30	632.97	16
5	K*	190.45	184.77	184.44	600.63	594.96	594.63	15
6	H	236.13	230.46	230.13	543.93	538.25	537.93	14
7	A	259.81	254.14	253.81	498.24	492.57	492.24	13
8	T	293.50	287.82	287.49	474.57	468.89	468.56	12
9	A	317.17	311.50	311.17	440.88	435.21	434.88	11
10	S	346.19	340.51	340.18	417.20	411.53	411.20	10
11	Q	388.87	383.20	382.87	388.19	382.52	382.19	9
12	L	426.57	420.89	420.56	345.51	339.83	339.50	8
13	F	475.59	469.91	469.59	307.81	302.14	301.81	7
14	D	513.93	508.26	507.93	258.79	253.11	252.79	6
15	H	559.62	553.94	553.61	220.45	214.77	214.44	5
16	F	608.64	602.97	602.64	174.76	169.09	168.76	4
17	A	632.32	626.64	626.32	125.74	120.06	119.73	3
18	E	675.33	669.66	669.33	102.06	96.38	96.06	2
19	R	-	-	-	59.04	53.37	53.04	1

-

2163.19 K.GPAQK*SQAAK*K*TAGK*TLGPR.H
 psu|PF07_0054 | organism=Plasmodium_falciparum_3D7 | product=histone h2b, putative |
 location=MAL7: 4 - 24
 #3781-3781 NL:3.56E2

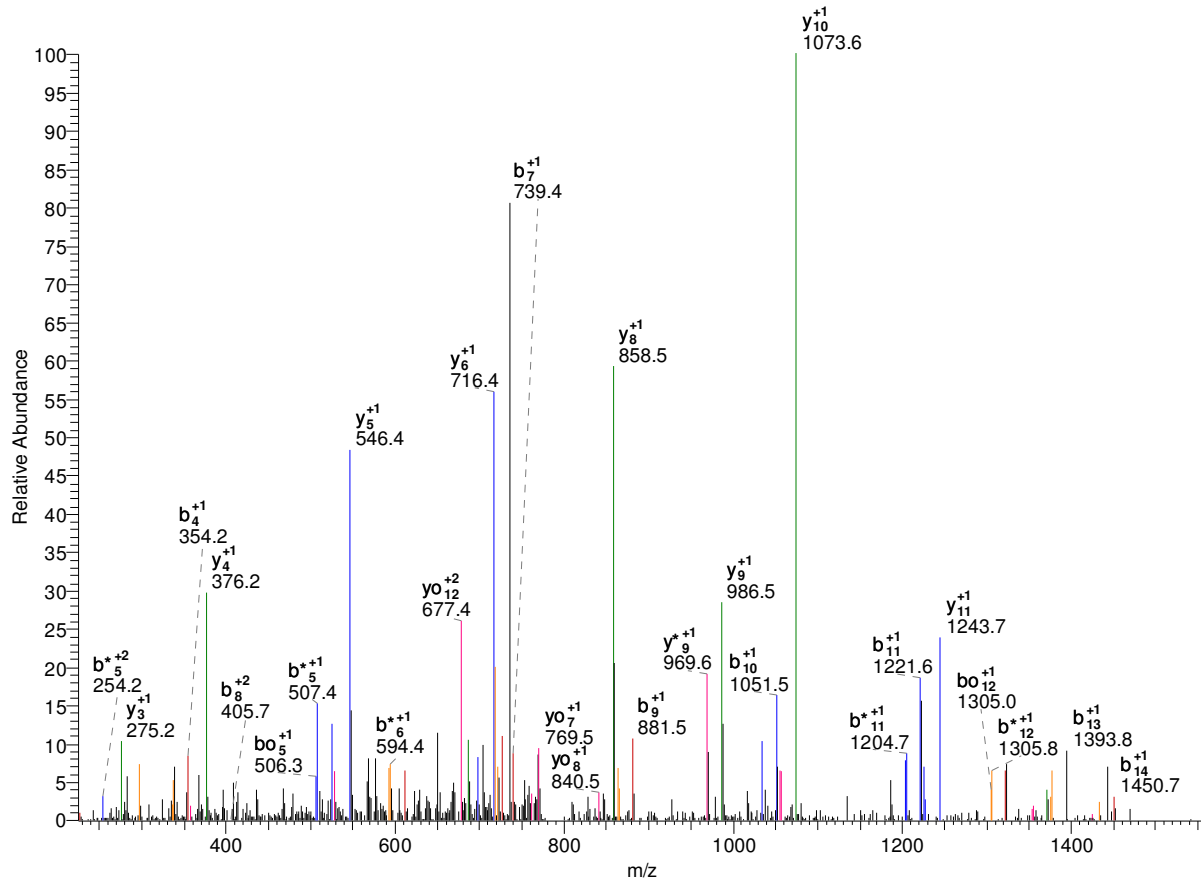


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	20
2	P	155.08	138.05	137.07	2106.17	2089.14	2088.16	19
3	A	226.12	209.09	208.11	2009.11	1992.09	1991.10	18
4	Q	354.18	337.15	336.17	1938.08	1921.05	1920.07	17
5	K*	524.28	507.26	506.27	1810.02	1792.99	1792.01	16
6	S	611.31	594.29	593.30	1639.91	1622.89	1621.90	15
7	Q	739.37	722.35	721.36	1552.88	1535.85	1534.87	14
8	A	810.41	793.38	792.40	1424.82	1407.80	1406.81	13
9	A	881.45	864.42	863.44	1353.78	1336.76	1335.77	12
10	K*	1051.55	1034.53	1033.54	1282.75	1265.72	1264.74	11
11	K*	1221.66	1204.63	1203.65	1112.64	1095.62	1094.63	10
12	T	1322.71	1305.68	1304.70	942.54	925.51	924.53	9
13	A	1393.74	1376.72	1375.73	841.49	824.46	823.48	8
14	G	1450.76	1433.74	1432.75	770.45	753.43	752.44	7
15	K*	1620.87	1603.84	1602.86	713.43	696.40	695.42	6
16	T	1721.92	1704.89	1703.91	543.32	526.30	525.31	5
17	L	1835.00	1817.98	1816.99	442.28	425.25	424.27	4
18	G	1892.02	1875.00	1874.01	329.19	312.17	311.18	3
19	P	1989.08	1972.05	1971.07	272.17	255.15	254.16	2
20	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	20
2	P	78.04	69.53	69.04	1053.59	1045.07	1044.58	19
3	A	113.56	105.05	104.56	1005.06	996.55	996.06	18
4	Q	177.59	169.08	168.59	969.54	961.03	960.54	17
5	K*	262.65	254.13	253.64	905.51	897.00	896.51	16
6	S	306.16	297.65	297.16	820.46	811.95	811.45	15
7	Q	370.19	361.68	361.19	776.94	768.43	767.94	14
8	A	405.71	397.20	396.70	712.91	704.40	703.91	13
9	A	441.23	432.71	432.22	677.40	668.88	668.39	12
10	K*	526.28	517.77	517.27	641.88	633.36	632.87	11
11	K*	611.33	602.82	602.33	556.82	548.31	547.82	10
12	T	661.86	653.34	652.85	471.77	463.26	462.77	9
13	A	697.38	688.86	688.37	421.25	412.73	412.24	8
14	G	725.89	717.37	716.88	385.73	377.22	376.72	7
15	K*	810.94	802.43	801.93	357.22	348.71	348.21	6
16	T	861.46	852.95	852.46	272.17	263.65	263.16	5
17	L	918.00	909.49	909.00	221.64	213.13	212.64	4
18	G	946.52	938.00	937.51	165.10	156.59	156.09	3
19	P	995.04	986.53	986.04	136.59	128.08	127.58	2
20	R	-	-	-	88.06	79.55	79.06	1

-

1596.87 K.GPAQK*SQAAK*K*TAGK.T
 psu|PF07_0054 | organism=Plasmodium_falciparum_3D7 | product=histone h2b, putative |
 location=MAL7: 4 - 19
 #315-315 NL: 1.61E3



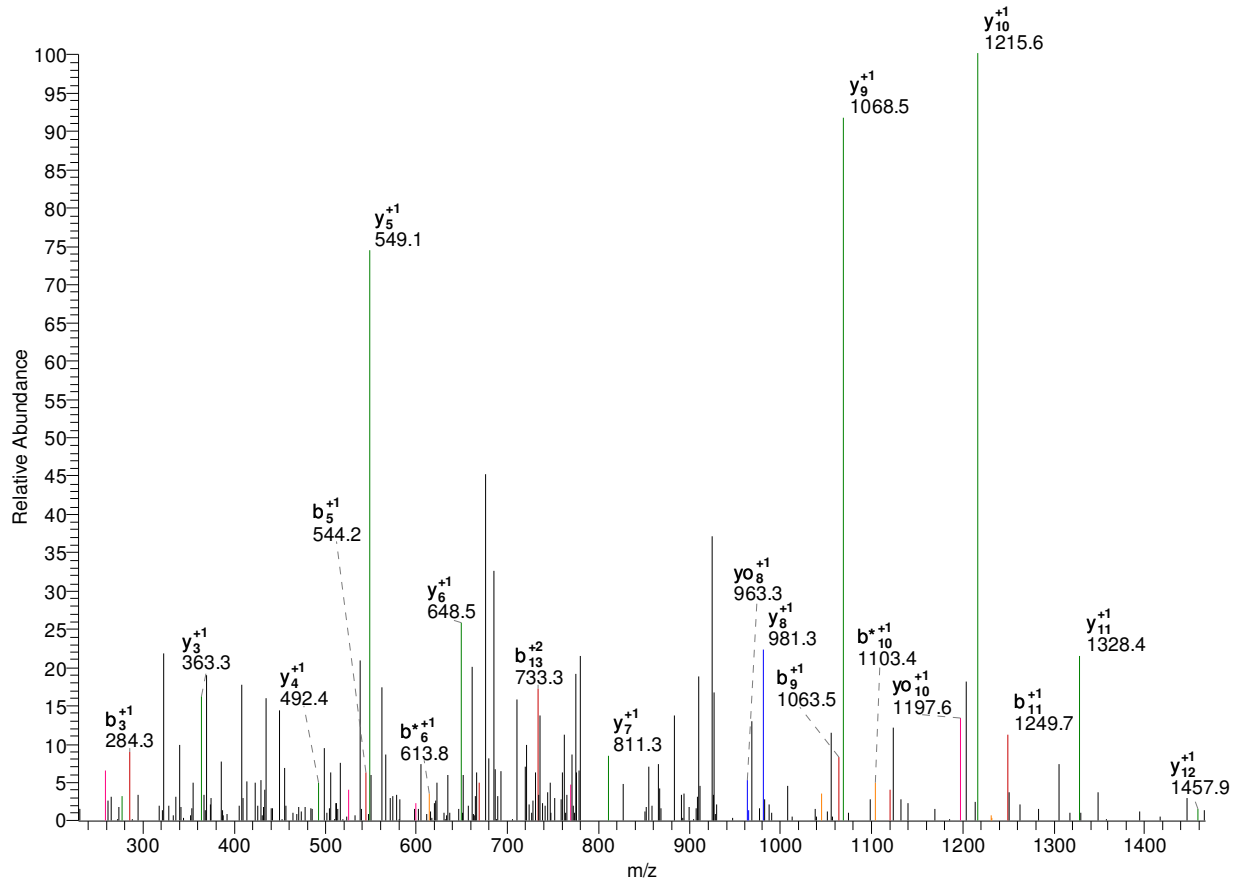
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	15
2	P	155.08	138.05	137.07	1539.85	1522.82	1521.84	14
3	A	226.12	209.09	208.11	1442.80	1425.77	1424.79	13
4	Q	354.18	337.15	336.17	1371.76	1354.73	1353.75	12
5	K*	524.28	507.26	506.27	1243.70	1226.67	1225.69	11
6	S	611.31	594.29	593.30	1073.59	1056.57	1055.58	10
7	Q	739.37	722.35	721.36	986.56	969.54	968.55	9
8	A	810.41	793.38	792.40	858.50	841.48	840.49	8
9	A	881.45	864.42	863.44	787.47	770.44	769.46	7
10	K*	1051.55	1034.53	1033.54	716.43	699.40	698.42	6
11	K*	1221.66	1204.63	1203.65	546.32	529.30	528.31	5
12	T	1322.71	1305.68	1304.70	376.22	359.19	358.21	4
13	A	1393.74	1376.72	1375.73	275.17	258.14	257.16	3
14	G	1450.76	1433.74	1432.75	204.13	187.11	186.12	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	15
2	P	78.04	69.53	69.04	770.43	761.91	761.42	14
3	A	113.56	105.05	104.56	721.90	713.39	712.90	13
4	Q	177.59	169.08	168.59	686.38	677.87	677.38	12

5	K*	262.65	254.13	253.64	622.35	613.84	613.35	11
6	S	306.16	297.65	297.16	537.30	528.79	528.30	10
7	Q	370.19	361.68	361.19	493.79	485.27	484.78	9
8	A	405.71	397.20	396.70	429.76	421.24	420.75	8
9	A	441.23	432.71	432.22	394.24	385.72	385.23	7
10	K*	526.28	517.77	517.27	358.72	350.21	349.71	6
11	K*	611.33	602.82	602.33	273.67	265.15	264.66	5
12	T	661.86	653.34	652.85	188.61	180.10	179.61	4
13	A	697.38	688.86	688.37	138.09	129.58	129.08	3
14	G	725.89	717.37	716.88	102.57	94.06	93.57	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1611.79 K.GPEIFSK*YVGESEK.S
 psu|PF14_0126 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 901 - 915
 #3977-3977 NL:8.21E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	14
2	P	155.08	138.05	137.07	1554.77	1537.74	1536.76	13
3	E	284.12	267.10	266.11	1457.72	1440.69	1439.71	12
4	I	397.21	380.18	379.20	1328.67	1311.65	1310.66	11
5	F	544.28	527.25	526.27	1215.59	1198.56	1197.58	10
6	S	631.31	614.28	613.30	1068.52	1051.49	1050.51	9
7	K*	801.41	784.39	783.40	981.49	964.46	963.48	8
8	Y	964.48	947.45	946.47	811.38	794.36	793.37	7
9	V	1063.55	1046.52	1045.54	648.32	631.29	630.31	6
10	G	1120.57	1103.54	1102.56	549.25	532.22	531.24	5
11	E	1249.61	1232.58	1231.60	492.23	475.20	474.22	4
12	S	1336.64	1319.62	1318.63	363.19	346.16	345.18	3
13	E	1465.68	1448.66	1447.67	276.16	259.13	258.14	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	14
2	P	78.04	69.53	69.04	777.89	769.37	768.88	13
3	E	142.57	134.05	133.56	729.36	720.85	720.36	12
4	I	199.11	190.59	190.10	664.84	656.33	655.83	11
5	F	272.64	264.13	263.64	608.30	599.78	599.29	10

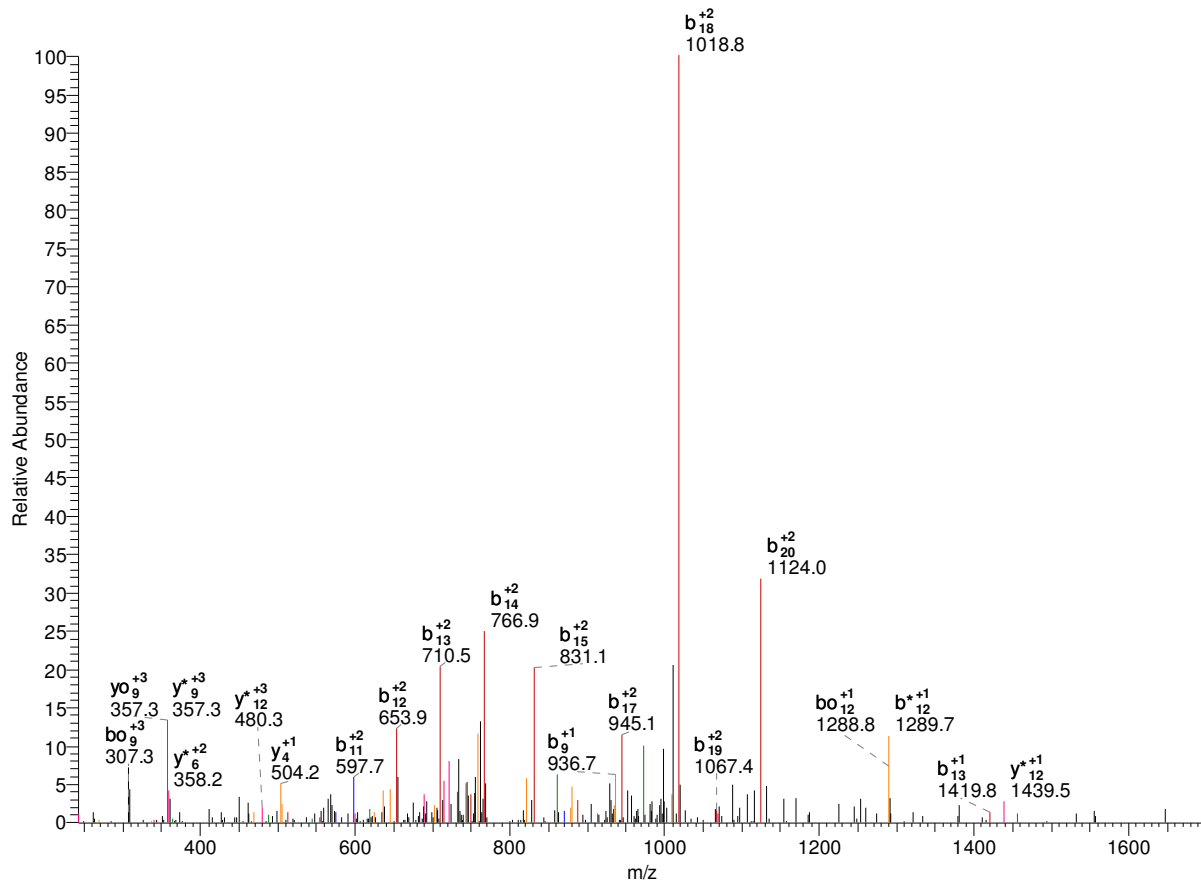
6	S	316.16	307.64	307.15	534.76	526.25	525.76	9
7	K*	401.21	392.70	392.21	491.25	482.73	482.24	8
8	Y	482.74	474.23	473.74	406.20	397.68	397.19	7
9	V	532.28	523.76	523.27	324.66	316.15	315.66	6
10	G	560.79	552.27	551.78	275.13	266.62	266.12	5
11	E	625.31	616.80	616.30	246.62	238.11	237.61	4
12	S	668.82	660.31	659.82	182.10	173.58	173.09	3
13	E	733.35	724.83	724.34	138.58	130.07	129.58	2
14	K	-	-	-	74.06	65.55	65.05	1

-

2392.37 R.GRPPGSTK*LSK*LLLQNNFPIK.S

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 2138 - 2159

#8798-8798 NL:2.07E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	21
2	R	214.13	197.10	196.12	2335.35	2318.32	2317.34	20
3	P	311.18	294.16	293.17	2179.25	2162.22	2161.24	19
4	P	408.24	391.21	390.22	2082.20	2065.17	2064.19	18
5	G	465.26	448.23	447.25	1985.14	1968.12	1967.13	17
6	S	552.29	535.26	534.28	1928.12	1911.09	1910.11	16
7	T	653.34	636.31	635.33	1841.09	1824.06	1823.08	15
8	K*	823.44	806.42	805.43	1740.04	1723.02	1722.03	14
9	L	936.53	919.50	918.52	1569.94	1552.91	1551.93	13
10	S	1023.56	1006.53	1005.55	1456.85	1439.83	1438.84	12
11	K*	1193.66	1176.64	1175.65	1369.82	1352.79	1351.81	11
12	L	1306.75	1289.72	1288.74	1199.71	1182.69	1181.70	10
13	L	1419.83	1402.81	1401.82	1086.63	1069.60	1068.62	9
14	L	1532.92	1515.89	1514.91	973.55	956.52	955.54	8
15	Q	1660.97	1643.95	1642.96	860.46	843.44	842.45	7
16	N	1775.02	1757.99	1757.01	732.40	715.38	714.39	6
17	N	1889.06	1872.03	1871.05	618.36	601.33	600.35	5
18	F	2036.13	2019.10	2018.12	504.32	487.29	486.31	4
19	P	2133.18	2116.15	2115.17	357.25	340.22	339.24	3
20	I	2246.27	2229.24	2228.26	260.20	243.17	242.19	2
21	K	-	-	-	147.11	130.09	129.10	1

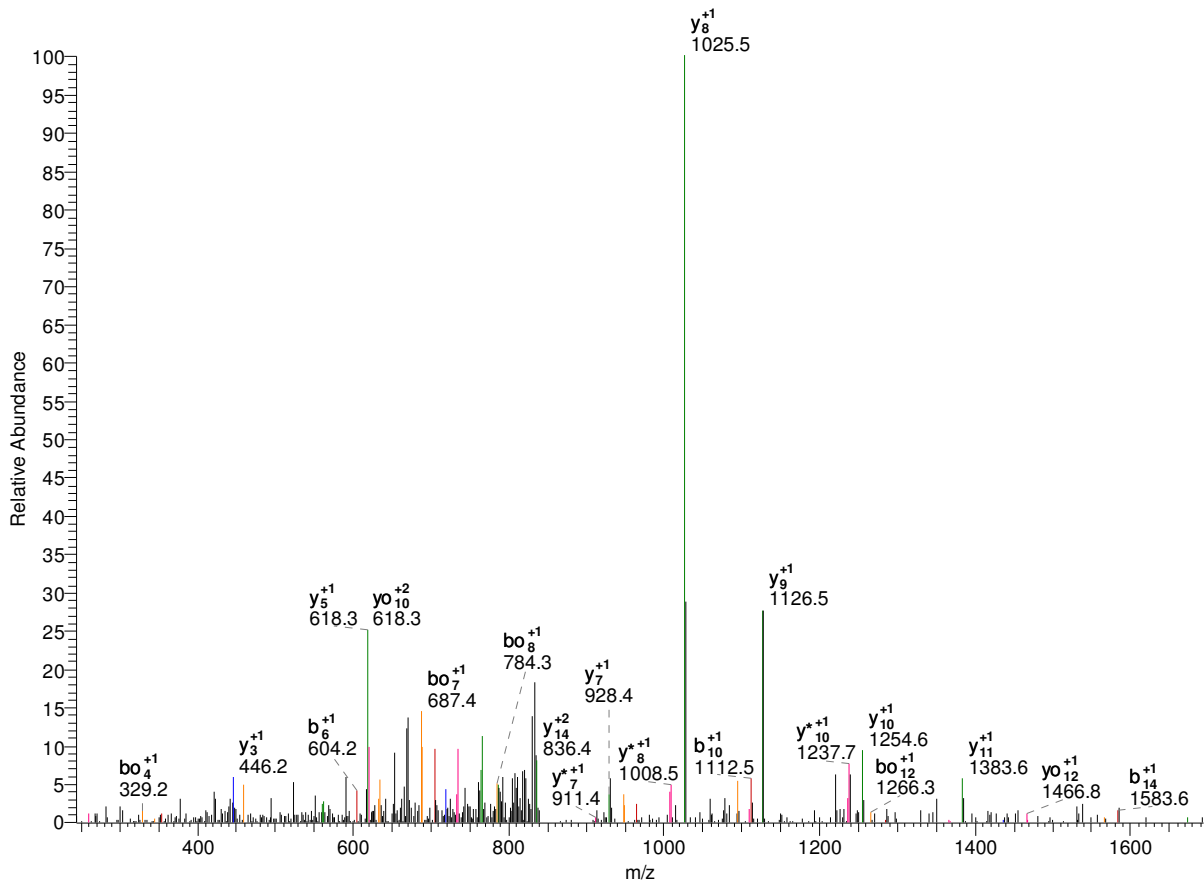
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	21
2	R	107.57	99.06	98.56	1168.18	1159.67	1159.17	20
3	P	156.09	147.58	147.09	1090.13	1081.61	1081.12	19
4	P	204.62	196.11	195.62	1041.60	1033.09	1032.60	18
5	G	233.13	224.62	224.13	993.08	984.56	984.07	17
6	S	276.65	268.13	267.64	964.56	956.05	955.56	16
7	T	327.17	318.66	318.17	921.05	912.54	912.04	15
8	K*	412.22	403.71	403.22	870.52	862.01	861.52	14
9	L	468.77	460.25	459.76	785.47	776.96	776.47	13
10	S	512.28	503.77	503.28	728.93	720.42	719.92	12
11	K*	597.34	588.82	588.33	685.41	676.90	676.41	11
12	L	653.88	645.36	644.87	600.36	591.85	591.36	10
13	L	710.42	701.91	701.41	543.82	535.31	534.81	9
14	L	766.96	758.45	757.96	487.28	478.76	478.27	8
15	Q	830.99	822.48	821.99	430.73	422.22	421.73	7
16	N	888.01	879.50	879.01	366.71	358.19	357.70	6
17	N	945.03	936.52	936.03	309.68	301.17	300.68	5
18	F	1018.57	1010.05	1009.56	252.66	244.15	243.66	4
19	P	1067.09	1058.58	1058.09	179.13	170.62	170.12	3
20	I	1123.64	1115.12	1114.63	130.60	122.09	121.60	2
21	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	G	20.01	14.34	14.01	-	-	-	21
2	R	72.05	66.37	66.04	779.12	773.45	773.12	20
3	P	104.40	98.72	98.40	727.09	721.41	721.08	19
4	P	136.75	131.07	130.75	694.74	689.06	688.73	18
5	G	155.76	150.08	149.75	662.39	656.71	656.38	17
6	S	184.77	179.09	178.76	643.38	637.70	637.38	16
7	T	218.45	212.77	212.45	614.37	608.69	608.36	15
8	K*	275.15	269.48	269.15	580.69	575.01	574.68	14
9	L	312.85	307.17	306.84	523.98	518.31	517.98	13
10	S	341.86	336.18	335.85	486.29	480.61	480.29	12
11	K*	398.56	392.88	392.56	457.28	451.60	451.27	11
12	L	436.25	430.58	430.25	400.58	394.90	394.57	10
13	L	473.95	468.27	467.95	362.88	357.21	356.88	9
14	L	511.64	505.97	505.64	325.19	319.51	319.18	8
15	Q	554.33	548.65	548.33	287.49	281.82	281.49	7
16	N	592.34	586.67	586.34	244.81	239.13	238.80	6
17	N	630.36	624.68	624.35	206.79	201.12	200.79	5
18	F	679.38	673.71	673.38	168.78	163.10	162.77	4
19	P	711.73	706.06	705.73	119.75	114.08	113.75	3
20	I	749.43	743.75	743.42	87.40	81.73	81.40	2
21	K	-	-	-	49.71	44.03	43.71	1

-

1729.79 K.GTSTEQTPYFGDK*EK.K
 psu|PFC0465c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 8 - 23
 #2515-2515 NL:3.55E2



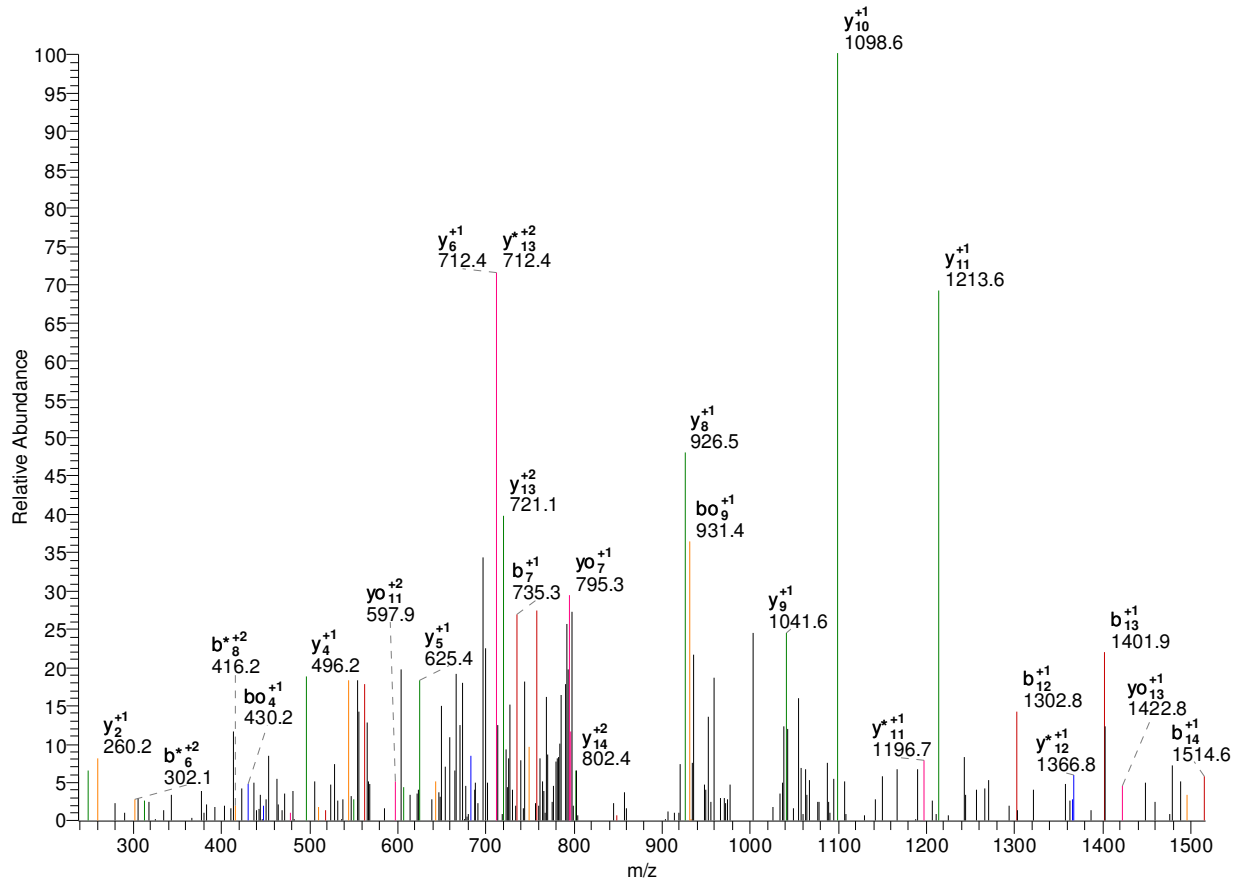
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	15
2	T	159.08	142.05	141.07	1672.77	1655.74	1654.76	14
3	S	246.11	229.08	228.10	1571.72	1554.70	1553.71	13
4	T	347.16	330.13	329.15	1484.69	1467.66	1466.68	12
5	E	476.20	459.17	458.19	1383.64	1366.62	1365.63	11
6	Q	604.26	587.23	586.25	1254.60	1237.57	1236.59	10
7	T	705.30	688.28	687.29	1126.54	1109.51	1108.53	9
8	P	802.36	785.33	784.35	1025.49	1008.47	1007.48	8
9	Y	965.42	948.39	947.41	928.44	911.41	910.43	7
10	F	1112.49	1095.46	1094.48	765.38	748.35	747.37	6
11	G	1169.51	1152.48	1151.50	618.31	601.28	600.30	5
12	D	1284.54	1267.51	1266.53	561.29	544.26	543.28	4
13	K*	1454.64	1437.62	1436.63	446.26	429.23	428.25	3
14	E	1583.69	1566.66	1565.68	276.16	259.13	258.14	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	15
2	T	80.04	71.53	71.04	836.89	828.38	827.88	14
3	S	123.56	115.04	114.55	786.36	777.85	777.36	13
4	T	174.08	165.57	165.08	742.85	734.34	733.84	12

5	E	238.60	230.09	229.60	692.32	683.81	683.32	11
6	Q	302.63	294.12	293.63	627.80	619.29	618.80	10
7	T	353.16	344.64	344.15	563.77	555.26	554.77	9
8	P	401.68	393.17	392.68	513.25	504.74	504.25	8
9	Y	483.21	474.70	474.21	464.72	456.21	455.72	7
10	F	556.75	548.24	547.74	383.19	374.68	374.19	6
11	G	585.26	576.75	576.25	309.66	301.15	300.65	5
12	D	642.77	634.26	633.77	281.15	272.63	272.14	4
13	K*	727.83	719.31	718.82	223.63	215.12	214.63	3
14	E	792.35	783.83	783.34	138.58	130.07	129.58	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1660.82 R.GYGK*DGLTSEHVIK.K
 psu|PFE0385w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 990 - 1005
 #2552-2552 NL: 5.32E1



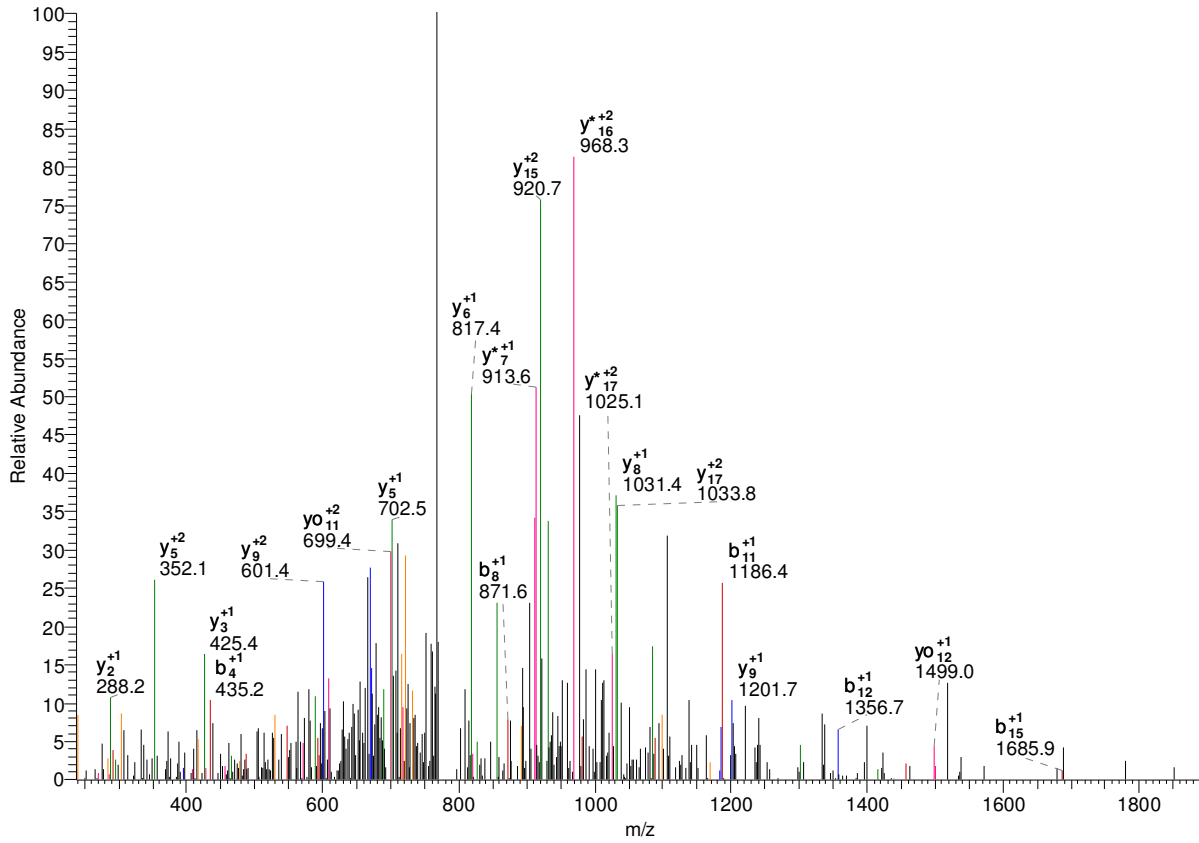
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	15
2	Y	221.09	204.07	203.08	1603.80	1586.77	1585.79	14
3	G	278.11	261.09	260.10	1440.73	1423.71	1422.72	13
4	K*	448.22	431.19	430.21	1383.71	1366.68	1365.70	12
5	D	563.25	546.22	545.24	1213.61	1196.58	1195.60	11
6	G	620.27	603.24	602.26	1098.58	1081.55	1080.57	10
7	D	735.29	718.27	717.28	1041.56	1024.53	1023.55	9
8	L	848.38	831.35	830.37	926.53	909.50	908.52	8
9	T	949.43	932.40	931.42	813.45	796.42	795.44	7
10	S	1036.46	1019.43	1018.45	712.40	695.37	694.39	6
11	E	1165.50	1148.47	1147.49	625.37	608.34	607.36	5
12	H	1302.56	1285.53	1284.55	496.32	479.30	478.31	4
13	V	1401.63	1384.60	1383.62	359.27	342.24	341.25	3
14	I	1514.71	1497.69	1496.70	260.20	243.17	242.19	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	15
2	Y	111.05	102.54	102.04	802.40	793.89	793.40	14
3	G	139.56	131.05	130.56	720.87	712.36	711.86	13
4	K*	224.61	216.10	215.61	692.36	683.85	683.35	12

5	D	282.13	273.61	273.12	607.31	598.79	598.30	11
6	G	310.64	302.12	301.63	549.79	541.28	540.79	10
7	D	368.15	359.64	359.15	521.28	512.77	512.28	9
8	L	424.69	416.18	415.69	463.77	455.26	454.76	8
9	T	475.22	466.70	466.21	407.23	398.71	398.22	7
10	S	518.73	510.22	509.73	356.70	348.19	347.70	6
11	E	583.25	574.74	574.25	313.19	304.67	304.18	5
12	H	651.78	643.27	642.78	248.67	240.15	239.66	4
13	V	701.32	692.80	692.31	180.14	171.62	171.13	3
14	I	757.86	749.35	748.85	130.60	122.09	121.60	2
15	K	-	-	-	74.06	65.55	65.05	1

—

2387.20 K.GYTLIEGHTDVK*TLDNYHLR.M
 psu|PFC1020c | organism=Plasmodium_falciparum_3D7 | product=40S ribosomal protein S3A,
 putative | 1 116 - 136
 #5697-5697 NL: 8.39E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	20
2	Y	221.09	204.07	203.08	2330.18	2313.15	2312.17	19
3	T	322.14	305.11	304.13	2167.11	2150.09	2149.10	18
4	L	435.22	418.20	417.21	2066.07	2049.04	2048.06	17
5	I	548.31	531.28	530.30	1952.98	1935.96	1934.97	16
6	E	677.35	660.32	659.34	1839.90	1822.87	1821.89	15
7	G	734.37	717.35	716.36	1710.86	1693.83	1692.85	14
8	H	871.43	854.40	853.42	1653.83	1636.81	1635.82	13
9	T	972.48	955.45	954.47	1516.78	1499.75	1498.76	12
10	D	1087.51	1070.48	1069.49	1415.73	1398.70	1397.72	11
11	V	1186.57	1169.55	1168.56	1300.70	1283.67	1282.69	10
12	K*	1356.68	1339.65	1338.67	1201.63	1184.61	1183.62	9
13	T	1457.73	1440.70	1439.72	1031.53	1014.50	1013.52	8
14	L	1570.81	1553.78	1552.80	930.48	913.45	912.47	7
15	D	1685.84	1668.81	1667.83	817.40	800.37	799.38	6
16	N	1799.88	1782.85	1781.87	702.37	685.34	684.36	5
17	Y	1962.94	1945.92	1944.93	588.33	571.30	570.31	4
18	H	2100.00	2082.98	2081.99	425.26	408.24	407.25	3
19	L	2213.09	2196.06	2195.08	288.20	271.18	270.19	2
20	R	-	-	-	175.12	158.09	157.11	1

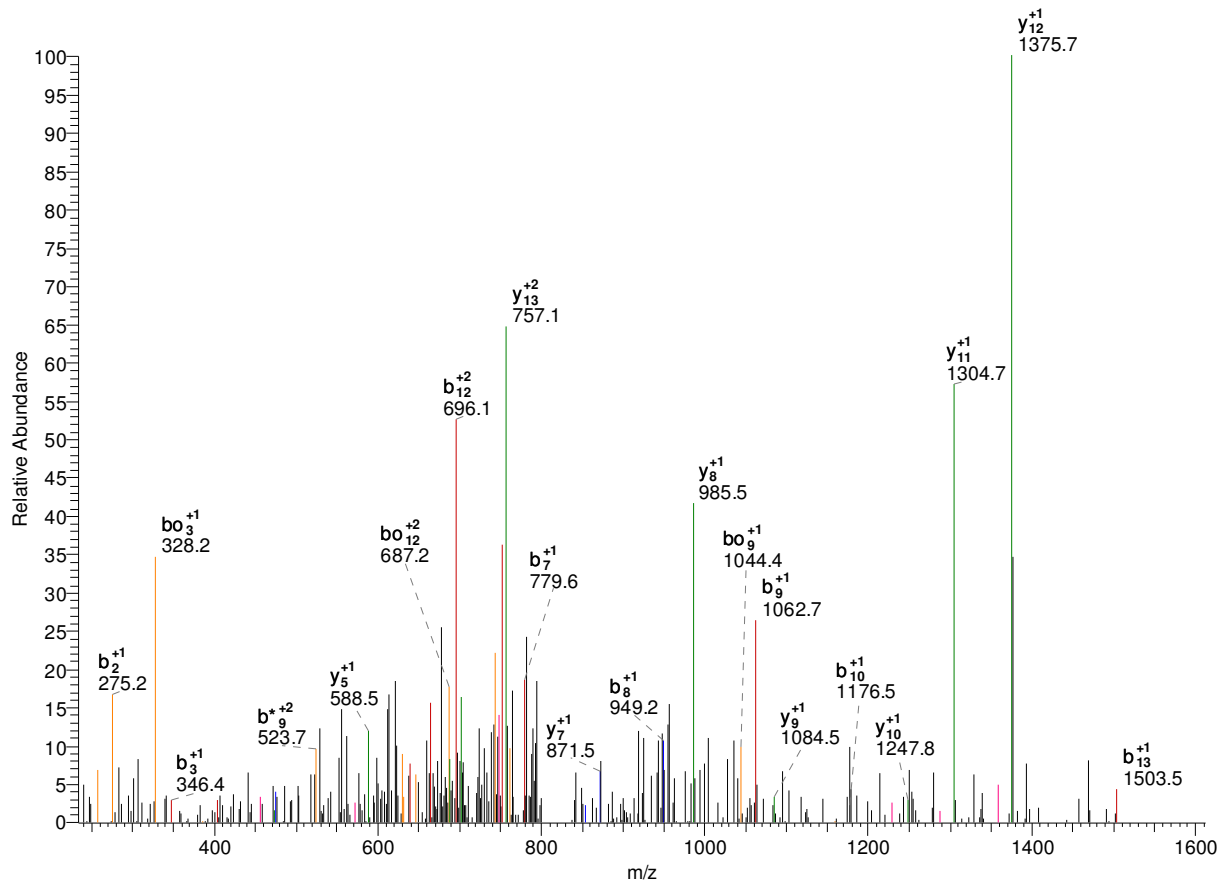
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	20
2	Y	111.05	102.54	102.04	1165.59	1157.08	1156.59	19
3	T	161.57	153.06	152.57	1084.06	1075.55	1075.06	18
4	L	218.12	209.60	209.11	1033.54	1025.02	1024.53	17
5	I	274.66	266.14	265.65	976.99	968.48	967.99	16
6	E	339.18	330.67	330.17	920.45	911.94	911.45	15
7	G	367.69	359.18	358.68	855.93	847.42	846.93	14
8	H	436.22	427.71	427.21	827.42	818.91	818.42	13
9	T	486.74	478.23	477.74	758.89	750.38	749.89	12
10	D	544.26	535.74	535.25	708.37	699.85	699.36	11
11	V	593.79	585.28	584.79	650.85	642.34	641.85	10
12	K*	678.84	670.33	669.84	601.32	592.81	592.31	9
13	T	729.37	720.85	720.36	516.27	507.75	507.26	8
14	L	785.91	777.40	776.90	465.74	457.23	456.74	7
15	D	843.42	834.91	834.42	409.20	400.69	400.20	6
16	N	900.44	891.93	891.44	351.69	343.17	342.68	5
17	Y	981.98	973.46	972.97	294.67	286.15	285.66	4
18	H	1050.51	1041.99	1041.50	213.13	204.62	204.13	3
19	L	1107.05	1098.53	1098.04	144.61	136.09	135.60	2
20	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	G	20.01	14.34	14.01	-	-	-	20
2	Y	74.37	68.69	68.37	777.40	771.72	771.39	19
3	T	108.05	102.38	102.05	723.04	717.37	717.04	18
4	L	145.75	140.07	139.74	689.36	683.68	683.36	17
5	I	183.44	177.77	177.44	651.67	645.99	645.66	16
6	E	226.46	220.78	220.45	613.97	608.30	607.97	15
7	G	245.46	239.79	239.46	570.96	565.28	564.95	14
8	H	291.15	285.47	285.14	551.95	546.27	545.95	13
9	T	324.83	319.16	318.83	506.26	500.59	500.26	12
10	D	363.17	357.50	357.17	472.58	466.91	466.58	11
11	V	396.20	390.52	390.19	434.24	428.56	428.23	10
12	K*	452.90	447.22	446.89	401.22	395.54	395.21	9
13	T	486.58	480.91	480.58	344.51	338.84	338.51	8
14	L	524.28	518.60	518.27	310.83	305.16	304.83	7
15	D	562.62	556.94	556.61	273.14	267.46	267.13	6
16	N	600.63	594.96	594.63	234.79	229.12	228.79	5
17	Y	654.99	649.31	648.98	196.78	191.10	190.78	4
18	H	700.67	695.00	694.67	142.43	136.75	136.42	3
19	L	738.37	732.69	732.36	96.74	91.06	90.74	2
20	R	-	-	-	59.04	53.37	53.04	1

-

1649.91 K.HHAGYVNK*LNTLIK.D
 psu|PF08_0071 | organism=Plasmodium_falciparum_3D7 | product=Fe-superoxide dismutase |
 location=MAL 30 - 44
 #4795-4795 NL:9.15E1



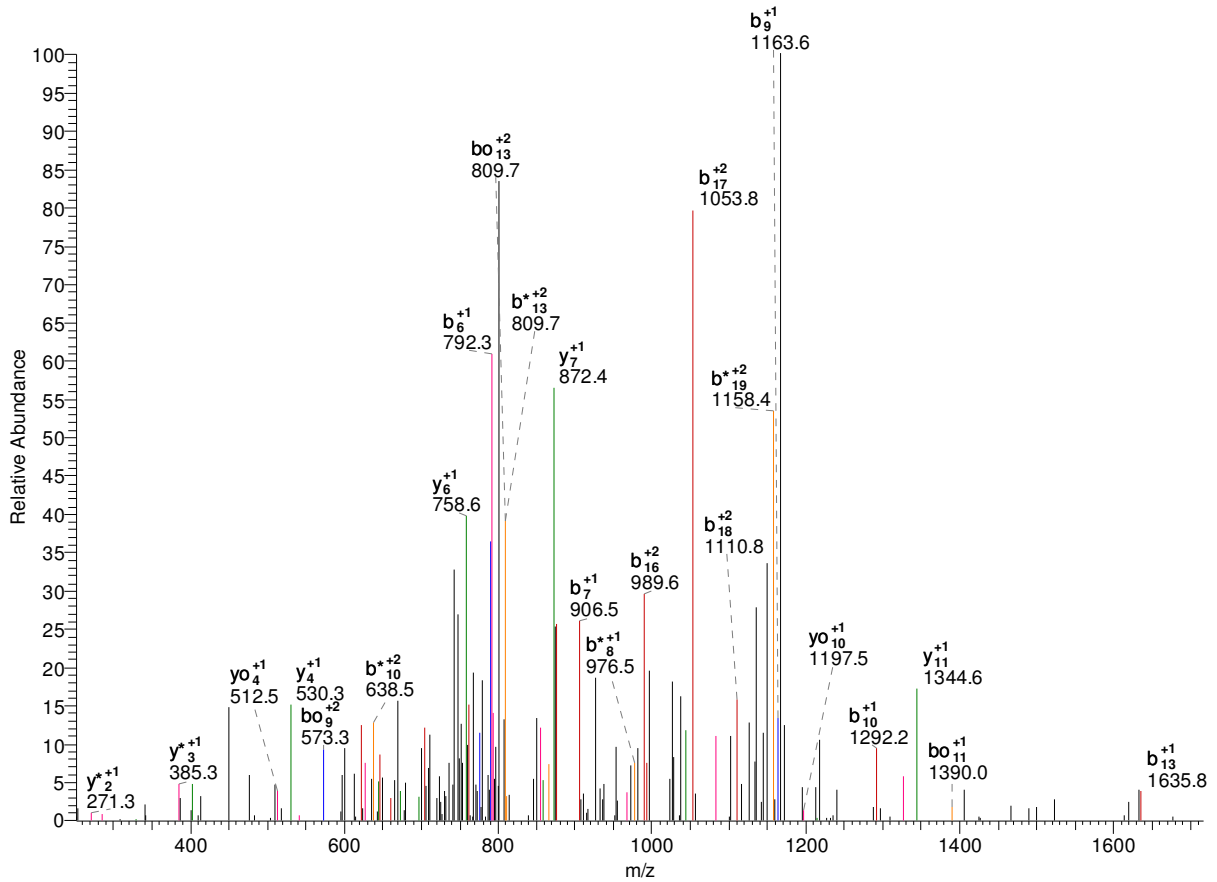
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	14
2	H	275.13	258.10	257.11	1512.85	1495.83	1494.84	13
3	A	346.16	329.14	328.15	1375.79	1358.77	1357.78	12
4	G	403.18	386.16	385.17	1304.76	1287.73	1286.75	11
5	Y	566.25	549.22	548.24	1247.74	1230.71	1229.73	10
6	V	665.32	648.29	647.30	1084.67	1067.65	1066.66	9
7	N	779.36	762.33	761.35	985.60	968.58	967.59	8
8	K*	949.46	932.44	931.45	871.56	854.53	853.55	7
9	L	1062.55	1045.52	1044.54	701.46	684.43	683.45	6
10	N	1176.59	1159.56	1158.58	588.37	571.34	570.36	5
11	T	1277.64	1260.61	1259.63	474.33	457.30	456.32	4
12	L	1390.72	1373.70	1372.71	373.28	356.25	355.27	3
13	I	1503.81	1486.78	1485.80	260.20	243.17	242.19	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	14
2	H	138.07	129.55	129.06	756.93	748.42	747.93	13
3	A	173.58	165.07	164.58	688.40	679.89	679.40	12
4	G	202.10	193.58	193.09	652.88	644.37	643.88	11
5	Y	283.63	275.11	274.62	624.37	615.86	615.37	10

6	V	333.16	324.65	324.16	542.84	534.33	533.83	9
7	N	390.18	381.67	381.18	493.31	484.79	484.30	8
8	K*	475.24	466.72	466.23	436.28	427.77	427.28	7
9	L	531.78	523.26	522.77	351.23	342.72	342.23	6
10	N	588.80	580.29	579.79	294.69	286.18	285.68	5
11	T	639.32	630.81	630.32	237.67	229.15	228.66	4
12	L	695.86	687.35	686.86	187.14	178.63	178.14	3
13	I	752.41	743.89	743.40	130.60	122.09	121.60	2
14	K	-	-	-	74.06	65.55	65.05	1

—

2507.22 K.HK*NSLK*NSK*EDDLNNQNLR.S
 psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 1787 - 1807
 #2656-2656 NL: 5.30E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	20
2	K*	308.17	291.15	290.16	2370.16	2353.14	2352.15	19
3	N	422.21	405.19	404.20	2200.06	2183.03	2182.05	18
4	S	509.25	492.22	491.24	2086.02	2068.99	2068.01	17
5	L	622.33	605.30	604.32	1998.98	1981.96	1980.97	16
6	K*	792.44	775.41	774.43	1885.90	1868.87	1867.89	15
7	N	906.48	889.45	888.47	1715.79	1698.77	1697.78	14
8	S	993.51	976.48	975.50	1601.75	1584.72	1583.74	13
9	K*	1163.62	1146.59	1145.61	1514.72	1497.69	1496.71	12
10	E	1292.66	1275.63	1274.65	1344.61	1327.59	1326.60	11
11	D	1407.69	1390.66	1389.68	1215.57	1198.54	1197.56	10
12	D	1522.71	1505.69	1504.70	1100.54	1083.52	1082.53	9
13	L	1635.80	1618.77	1617.79	985.52	968.49	967.51	8
14	N	1749.84	1732.81	1731.83	872.43	855.41	854.42	7
15	N	1863.88	1846.86	1845.87	758.39	741.36	740.38	6
16	N	1977.93	1960.90	1959.92	644.35	627.32	626.34	5
17	Q	2105.98	2088.96	2087.97	530.30	513.28	512.29	4
18	N	2220.03	2203.00	2202.02	402.25	385.22	384.24	3
19	L	2333.11	2316.09	2315.10	288.20	271.18	270.19	2
20	R	-	-	-	175.12	158.09	157.11	1

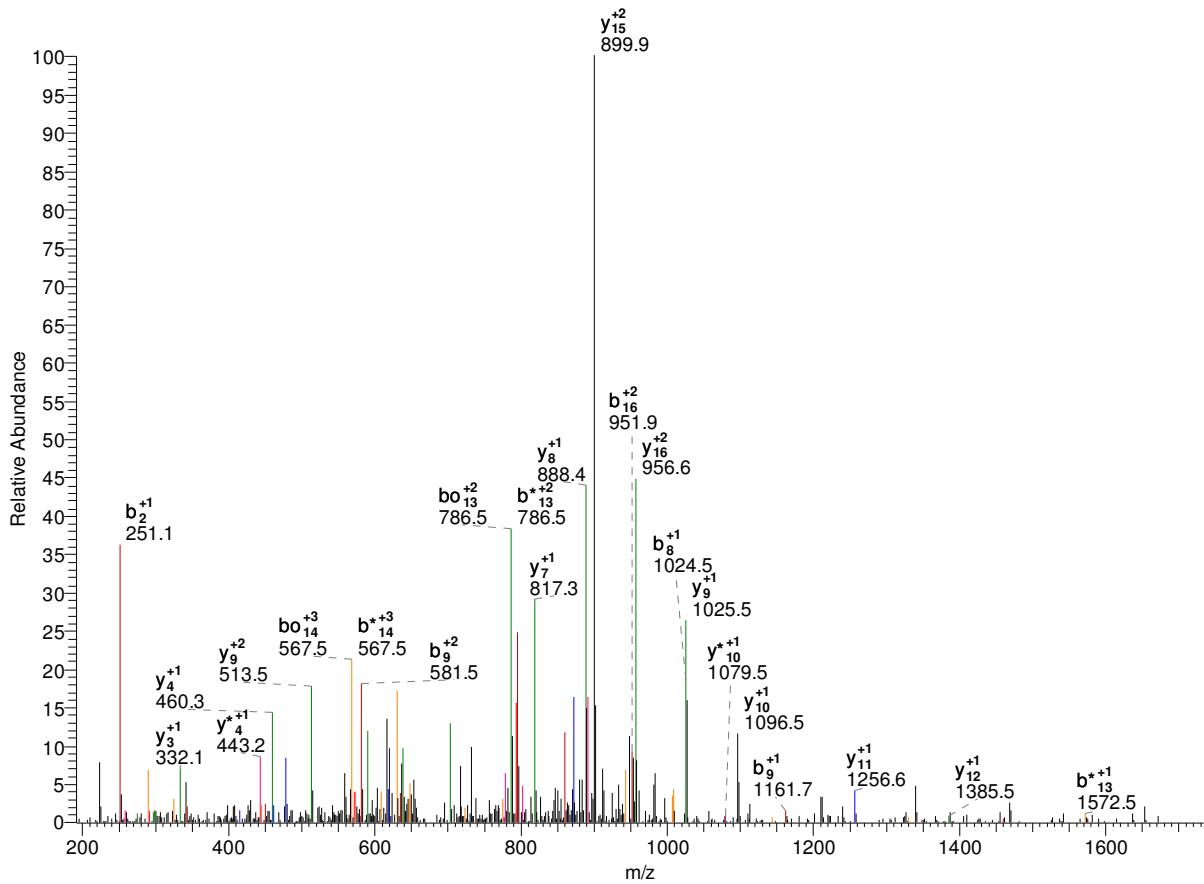
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	20
2	K*	154.59	146.08	145.58	1185.59	1177.07	1176.58	19
3	N	211.61	203.10	202.61	1100.53	1092.02	1091.53	18
4	S	255.13	246.61	246.12	1043.51	1035.00	1034.51	17
5	L	311.67	303.16	302.66	1000.00	991.48	990.99	16
6	K*	396.72	388.21	387.72	943.45	934.94	934.45	15
7	N	453.74	445.23	444.74	858.40	849.89	849.40	14
8	S	497.26	488.75	488.25	801.38	792.87	792.37	13
9	K*	582.31	573.80	573.31	757.86	749.35	748.86	12
10	E	646.83	638.32	637.83	672.81	664.30	663.81	11
11	D	704.35	695.83	695.34	608.29	599.78	599.28	10
12	D	761.86	753.35	752.85	550.78	542.26	541.77	9
13	L	818.40	809.89	809.40	493.26	484.75	484.26	8
14	N	875.42	866.91	866.42	436.72	428.21	427.72	7
15	N	932.45	923.93	923.44	379.70	371.19	370.69	6
16	N	989.47	980.95	980.46	322.68	314.16	313.67	5
17	Q	1053.50	1044.98	1044.49	265.66	257.14	256.65	4
18	N	1110.52	1102.00	1101.51	201.63	193.11	192.62	3
19	L	1167.06	1158.55	1158.05	144.61	136.09	135.60	2
20	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	H	46.69	41.02	40.69	-	-	-	20
2	K*	103.40	97.72	97.39	790.73	785.05	784.72	19
3	N	141.41	135.73	135.41	734.02	728.35	728.02	18
4	S	170.42	164.74	164.42	696.01	690.33	690.01	17
5	L	208.12	202.44	202.11	667.00	661.32	661.00	16
6	K*	264.82	259.14	258.81	629.30	623.63	623.30	15
7	N	302.83	297.16	296.83	572.60	566.93	566.60	14
8	S	331.84	326.17	325.84	534.59	528.91	528.59	13
9	K*	388.54	382.87	382.54	505.58	499.90	499.57	12
10	E	431.56	425.88	425.55	448.88	443.20	442.87	11
11	D	469.90	464.22	463.90	405.86	400.19	399.86	10
12	D	508.24	502.57	502.24	367.52	361.84	361.52	9
13	L	545.94	540.26	539.93	329.18	323.50	323.17	8
14	N	583.95	578.28	577.95	291.48	285.81	285.48	7
15	N	621.97	616.29	615.96	253.47	247.79	247.46	6
16	N	659.98	654.30	653.98	215.45	209.78	209.45	5
17	Q	702.67	696.99	696.66	177.44	171.76	171.44	4
18	N	740.68	735.01	734.68	134.75	129.08	128.75	3
19	L	778.38	772.70	772.37	96.74	91.06	90.74	2
20	R	-	-	-	59.04	53.37	53.04	1

-

2048.96 R.HLGK*WEC@AHADIEQGQK.I
 psu|PFE1370w | organism=Plasmodium_falciparum_3D7 | product=hsp70 interacting protein,
 putative | 1 209 - 226
 #2450-2450 NL:6.01E2



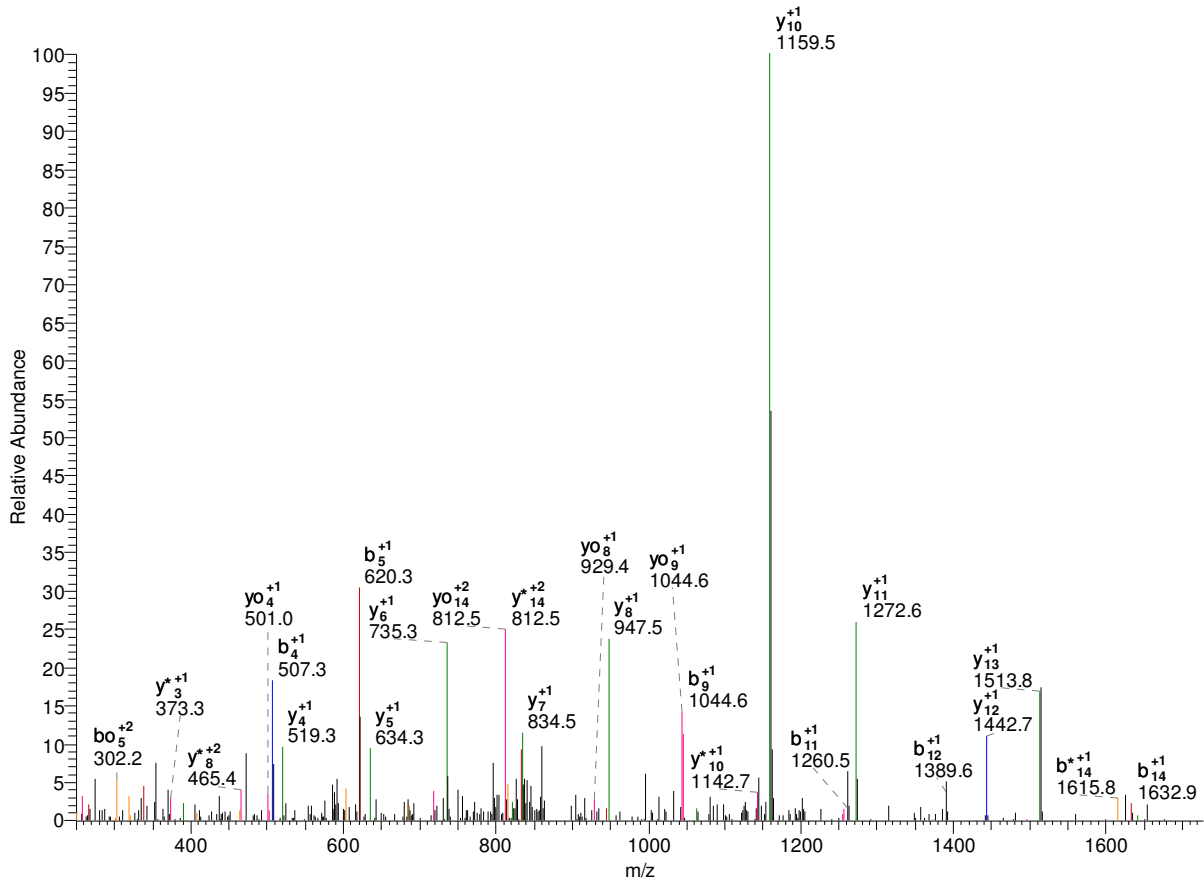
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	17
2	L	251.15	234.12	233.14	1911.90	1894.88	1893.89	16
3	G	308.17	291.15	290.16	1798.82	1781.79	1780.81	15
4	K*	478.28	461.25	460.27	1741.80	1724.77	1723.79	14
5	W	664.36	647.33	646.35	1571.69	1554.66	1553.68	13
6	E	793.40	776.37	775.39	1385.61	1368.58	1367.60	12
7	C@	953.43	936.40	935.42	1256.57	1239.54	1238.56	11
8	A	1024.47	1007.44	1006.46	1096.54	1079.51	1078.53	10
9	H	1161.53	1144.50	1143.52	1025.50	1008.47	1007.49	9
10	A	1232.56	1215.54	1214.55	888.44	871.42	870.43	8
11	D	1347.59	1330.56	1329.58	817.41	800.38	799.39	7
12	I	1460.67	1443.65	1442.66	702.38	685.35	684.37	6
13	E	1589.72	1572.69	1571.71	589.29	572.27	571.28	5
14	Q	1717.78	1700.75	1699.76	460.25	443.22	442.24	4
15	G	1774.80	1757.77	1756.79	332.19	315.17	314.18	3
16	Q	1902.86	1885.83	1884.84	275.17	258.14	257.16	2
17	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	17
2	L	126.08	117.57	117.07	956.45	947.94	947.45	16

3	G	154.59	146.08	145.58	899.91	891.40	890.91	15
4	K*	239.64	231.13	230.64	871.40	862.89	862.40	14
5	W	332.68	324.17	323.68	786.35	777.84	777.34	13
6	E	397.20	388.69	388.20	693.31	684.80	684.30	12
7	C@	477.22	468.71	468.21	628.79	620.27	619.78	11
8	A	512.74	504.22	503.73	548.77	540.26	539.77	10
9	H	581.27	572.75	572.26	513.25	504.74	504.25	9
10	A	616.79	608.27	607.78	444.72	436.21	435.72	8
11	D	674.30	665.79	665.29	409.21	400.69	400.20	7
12	I	730.84	722.33	721.84	351.69	343.18	342.69	6
13	E	795.36	786.85	786.36	295.15	286.64	286.15	5
14	Q	859.39	850.88	850.39	230.63	222.12	221.62	4
15	G	887.90	879.39	878.90	166.60	158.09	157.59	3
16	Q	951.93	943.42	942.93	138.09	129.58	129.08	2
17	K	-	-	-	74.06	65.55	65.05	1

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	H	46.69	41.02	40.69	-	-	-	17
2	L	84.39	78.71	78.38	637.97	632.30	631.97	16
3	G	103.40	97.72	97.39	600.28	594.60	594.27	15
4	K*	160.10	154.42	154.09	581.27	575.59	575.27	14
5	W	222.12	216.45	216.12	524.57	518.89	518.56	13
6	E	265.14	259.46	259.13	462.54	456.87	456.54	12
7	C@	318.48	312.81	312.48	419.53	413.85	413.52	11
8	A	342.16	336.48	336.16	366.18	360.51	360.18	10
9	H	387.85	382.17	381.84	342.51	336.83	336.50	9
10	A	411.53	405.85	405.52	296.82	291.14	290.82	8
11	D	449.87	444.19	443.86	273.14	267.46	267.14	7
12	I	487.56	481.89	481.56	234.80	229.12	228.79	6
13	E	530.58	524.90	524.57	197.10	191.43	191.10	5
14	Q	573.26	567.59	567.26	154.09	148.41	148.09	4
15	G	592.27	586.59	586.27	111.40	105.73	105.40	3
16	Q	634.96	629.28	628.95	92.40	86.72	86.39	2
17	K	-	-	-	49.71	44.03	43.71	1

1778.89 K.HQAK*IPDLVTDENEK.T
 psu|PFA0420w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 19 - 34
 #3470-3470 NL:2.33E2



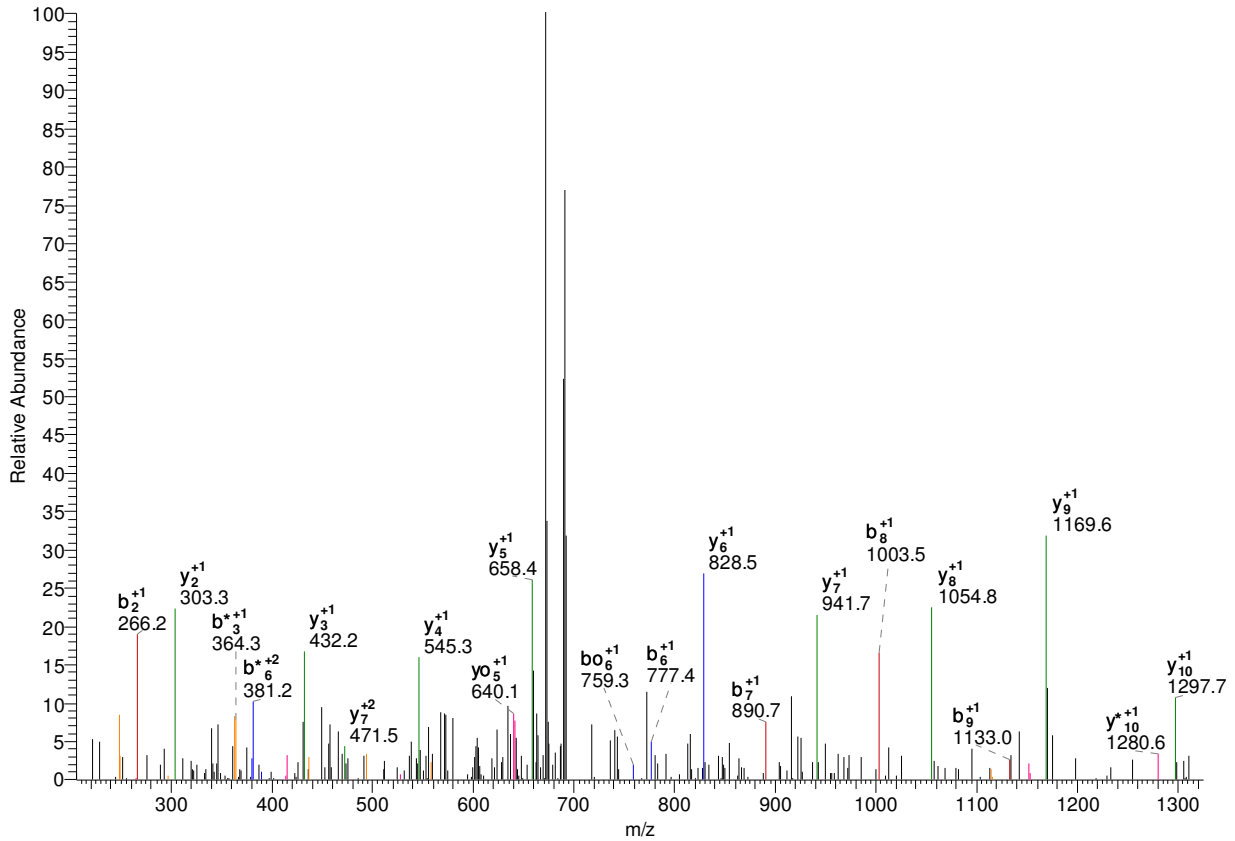
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	15
2	Q	266.12	249.10	248.11	1641.83	1624.81	1623.82	14
3	A	337.16	320.14	319.15	1513.77	1496.75	1495.76	13
4	K*	507.27	490.24	489.26	1442.74	1425.71	1424.73	12
5	I	620.35	603.32	602.34	1272.63	1255.61	1254.62	11
6	P	717.40	700.38	699.39	1159.55	1142.52	1141.54	10
7	D	832.43	815.40	814.42	1062.49	1045.47	1044.48	9
8	L	945.52	928.49	927.50	947.47	930.44	929.46	8
9	V	1044.58	1027.56	1026.57	834.38	817.36	816.37	7
10	T	1145.63	1128.60	1127.62	735.32	718.29	717.30	6
11	D	1260.66	1243.63	1242.65	634.27	617.24	616.26	5
12	E	1389.70	1372.67	1371.69	519.24	502.21	501.23	4
13	N	1503.74	1486.72	1485.73	390.20	373.17	372.19	3
14	E	1632.79	1615.76	1614.78	276.16	259.13	258.14	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	15
2	Q	133.57	125.05	124.56	821.42	812.91	812.41	14
3	A	169.08	160.57	160.08	757.39	748.88	748.39	13
4	K*	254.14	245.62	245.13	721.87	713.36	712.87	12

5	I	310.68	302.17	301.67	636.82	628.31	627.81	11
6	P	359.21	350.69	350.20	580.28	571.76	571.27	10
7	D	416.72	408.21	407.71	531.75	523.24	522.75	9
8	L	473.26	464.75	464.26	474.24	465.72	465.23	8
9	V	522.80	514.28	513.79	417.70	409.18	408.69	7
10	T	573.32	564.81	564.31	368.16	359.65	359.16	6
11	D	630.83	622.32	621.83	317.64	309.12	308.63	5
12	E	695.35	686.84	686.35	260.12	251.61	251.12	4
13	N	752.38	743.86	743.37	195.60	187.09	186.60	3
14	E	816.90	808.38	807.89	138.58	130.07	129.58	2
15	K	-	-	-	74.06	65.55	65.05	1

-

1434.81 K.HQDILK*ILEQR.A
 psu|PF13_0330 | organism=Plasmodium_falciparum_3D7 | product=ATP-dependent DNA
 helicase, putative | 360 - 371
 #6434-6434 NL:9.72E1



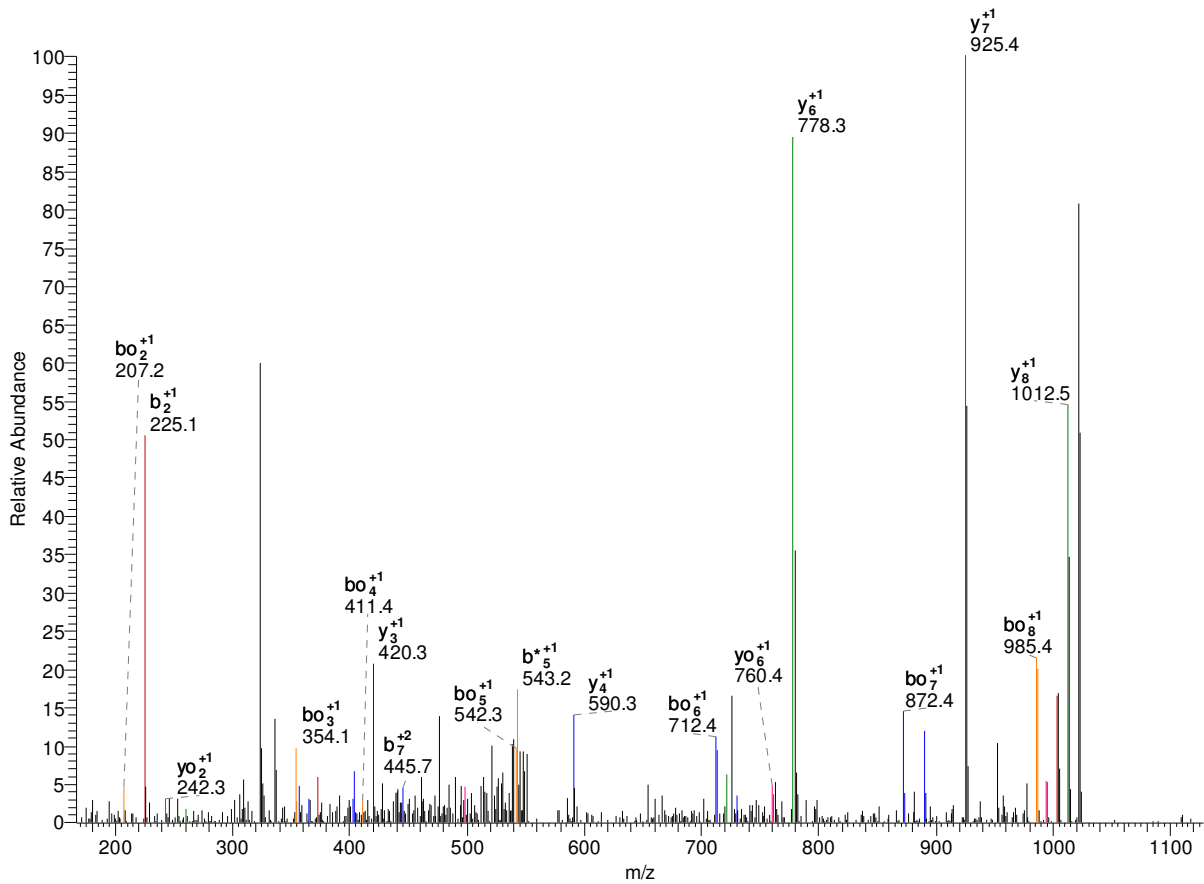
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	11
2	Q	266.12	249.10	248.11	1297.75	1280.72	1279.74	10
3	D	381.15	364.13	363.14	1169.69	1152.66	1151.68	9
4	I	494.24	477.21	476.23	1054.66	1037.64	1036.65	8
5	L	607.32	590.29	589.31	941.58	924.55	923.57	7
6	K*	777.43	760.40	759.41	828.49	811.47	810.48	6
7	I	890.51	873.48	872.50	658.39	641.36	640.38	5
8	L	1003.59	986.57	985.58	545.30	528.28	527.29	4
9	E	1132.64	1115.61	1114.63	432.22	415.19	414.21	3
10	Q	1260.69	1243.67	1242.68	303.18	286.15	285.17	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	11
2	Q	133.57	125.05	124.56	649.38	640.86	640.37	10
3	D	191.08	182.57	182.07	585.35	576.83	576.34	9
4	I	247.62	239.11	238.62	527.83	519.32	518.83	8
5	L	304.16	295.65	295.16	471.29	462.78	462.29	7
6	K*	389.22	380.70	380.21	414.75	406.24	405.75	6
7	I	445.76	437.25	436.75	329.70	321.18	320.69	5
8	L	502.30	493.79	493.30	273.16	264.64	264.15	4

9	E	566.82	558.31	557.82	216.61	208.10	207.61	3
10	Q	630.85	622.34	621.85	152.09	143.58	143.09	2
11	R	-	-	-	88.06	79.55	79.06	1

-

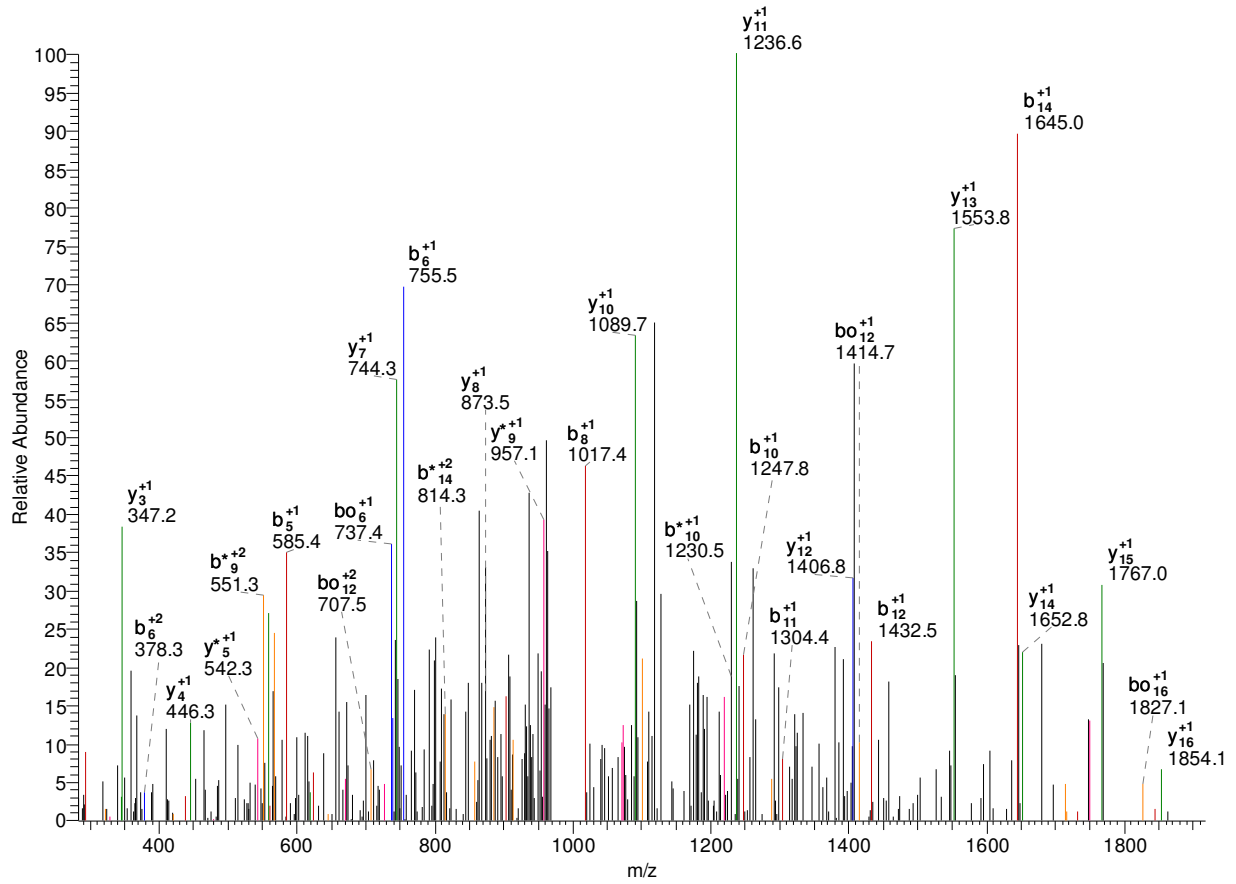
1149.55 R.HSFGMK*C@LK.I
 psu|PF11215w | organism=Plasmodium_falciparum_3D7 | product=spliceosome-associated
 protein, putative 518 - 527
 #2594-2594 NL: 4.30E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	9
2	S	225.10	208.07	207.09	1012.50	995.47	994.48	8
3	F	372.17	355.14	354.16	925.46	908.44	907.45	7
4	G	429.19	412.16	411.18	778.39	761.37	760.38	6
5	M	560.23	543.20	542.22	721.37	704.35	703.36	5
6	K*	730.33	713.31	712.32	590.33	573.31	572.32	4
7	C@	890.36	873.34	872.35	420.23	403.20	402.22	3
8	L	1003.45	986.42	985.44	260.20	243.17	242.19	2
9	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	9
2	S	113.05	104.54	104.05	506.75	498.24	497.75	8
3	F	186.59	178.07	177.58	463.24	454.72	454.23	7
4	G	215.10	206.58	206.09	389.70	381.19	380.70	6
5	M	280.62	272.10	271.61	361.19	352.68	352.19	5
6	K*	365.67	357.16	356.67	295.67	287.16	286.66	4
7	C@	445.69	437.17	436.68	210.62	202.10	201.61	3
8	L	502.23	493.71	493.22	130.60	122.09	121.60	2
9	K	-	-	-	74.06	65.55	65.05	1

1991.02 K.HSNVFK*FDTEGQIVSLK
 psu|MAL8P1.95 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 308 - 324
 #6523-6523 NL: 3.90E1



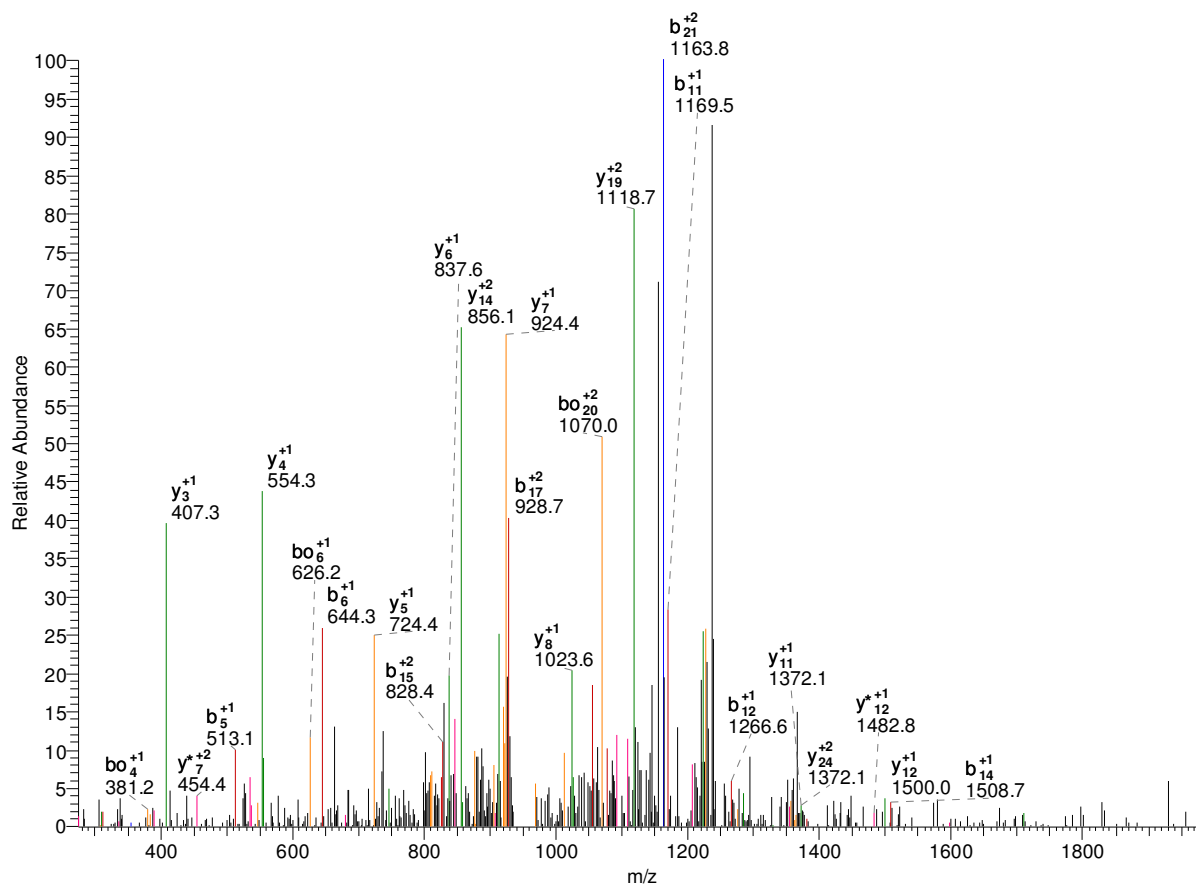
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	17
2	S	225.10	208.07	207.09	1853.96	1836.94	1835.95	16
3	N	339.14	322.11	321.13	1766.93	1749.91	1748.92	15
4	V	438.21	421.18	420.20	1652.89	1635.86	1634.88	14
5	F	585.28	568.25	567.27	1553.82	1536.79	1535.81	13
6	K*	755.38	738.36	737.37	1406.75	1389.73	1388.74	12
7	F	902.45	885.43	884.44	1236.65	1219.62	1218.64	11
8	D	1017.48	1000.45	999.47	1089.58	1072.55	1071.57	10
9	T	1118.53	1101.50	1100.52	974.55	957.53	956.54	9
10	E	1247.57	1230.54	1229.56	873.50	856.48	855.49	8
11	G	1304.59	1287.56	1286.58	744.46	727.43	726.45	7
12	Q	1432.65	1415.62	1414.64	687.44	670.41	669.43	6
13	I	1545.73	1528.71	1527.72	559.38	542.35	541.37	5
14	V	1644.80	1627.78	1626.79	446.30	429.27	428.29	4
15	S	1731.83	1714.81	1713.82	347.23	330.20	329.22	3
16	L	1844.92	1827.89	1826.91	260.20	243.17	242.19	2
17	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	17
2	S	113.05	104.54	104.05	927.49	918.97	918.48	16

3	N	170.07	161.56	161.07	883.97	875.46	874.96	15
4	V	219.61	211.10	210.60	826.95	818.44	817.94	14
5	F	293.14	284.63	284.14	777.41	768.90	768.41	13
6	K*	378.20	369.68	369.19	703.88	695.37	694.87	12
7	F	451.73	443.22	442.72	618.83	610.31	609.82	11
8	D	509.24	500.73	500.24	545.29	536.78	536.29	10
9	T	559.77	551.25	550.76	487.78	479.27	478.77	9
10	E	624.29	615.77	615.28	437.26	428.74	428.25	8
11	G	652.80	644.29	643.79	372.73	364.22	363.73	7
12	Q	716.83	708.31	707.82	344.22	335.71	335.22	6
13	I	773.37	764.86	764.36	280.19	271.68	271.19	5
14	V	822.90	814.39	813.90	223.65	215.14	214.65	4
15	S	866.42	857.91	857.42	174.12	165.60	165.11	3
16	L	922.96	914.45	913.96	130.60	122.09	121.60	2
17	K	-	-	-	74.06	65.55	65.05	1

-

2879.38 R.HSSSNMPSLNNPNQFNSVSLK*FPYK.G
 psu|PF10_0143 | organism=Plasmodium_falciparum_3D7 | product=transcriptional activator
 ADA2, putati 1061 - 1086
 #7536-7536 NL: 1.70E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	25
2	S	225.10	208.07	207.09	2742.32	2725.29	2724.31	24
3	S	312.13	295.10	294.12	2655.29	2638.26	2637.28	23
4	S	399.16	382.14	381.15	2568.26	2551.23	2550.24	22
5	N	513.21	496.18	495.19	2481.22	2464.20	2463.21	21
6	M	644.25	627.22	626.24	2367.18	2350.15	2349.17	20
7	P	741.30	724.27	723.29	2236.14	2219.11	2218.13	19
8	S	828.33	811.30	810.32	2139.09	2122.06	2121.08	18
9	L	941.41	924.39	923.40	2052.05	2035.03	2034.04	17
10	N	1055.46	1038.43	1037.45	1938.97	1921.94	1920.96	16
11	N	1169.50	1152.47	1151.49	1824.93	1807.90	1806.92	15
12	P	1266.55	1249.53	1248.54	1710.88	1693.86	1692.87	14
13	N	1380.60	1363.57	1362.59	1613.83	1596.81	1595.82	13
14	Q	1508.65	1491.63	1490.64	1499.79	1482.76	1481.78	12
15	F	1655.72	1638.70	1637.71	1371.73	1354.70	1353.72	11
16	N	1769.77	1752.74	1751.76	1224.66	1207.64	1206.65	10
17	S	1856.80	1839.77	1838.79	1110.62	1093.59	1092.61	9
18	V	1955.87	1938.84	1937.86	1023.59	1006.56	1005.58	8
19	S	2042.90	2025.87	2024.89	924.52	907.49	906.51	7
20	L	2155.98	2138.96	2137.97	837.49	820.46	819.48	6
21	K*	2326.09	2309.06	2308.08	724.40	707.38	706.39	5
22	F	2473.16	2456.13	2455.15	554.30	537.27	536.29	4

23	P	2570.21	2553.18	2552.20	407.23	390.20	389.22	3
24	Y	2733.27	2716.25	2715.26	310.18	293.15	292.17	2
25	K	-	-	-	147.11	130.09	129.10	1

-

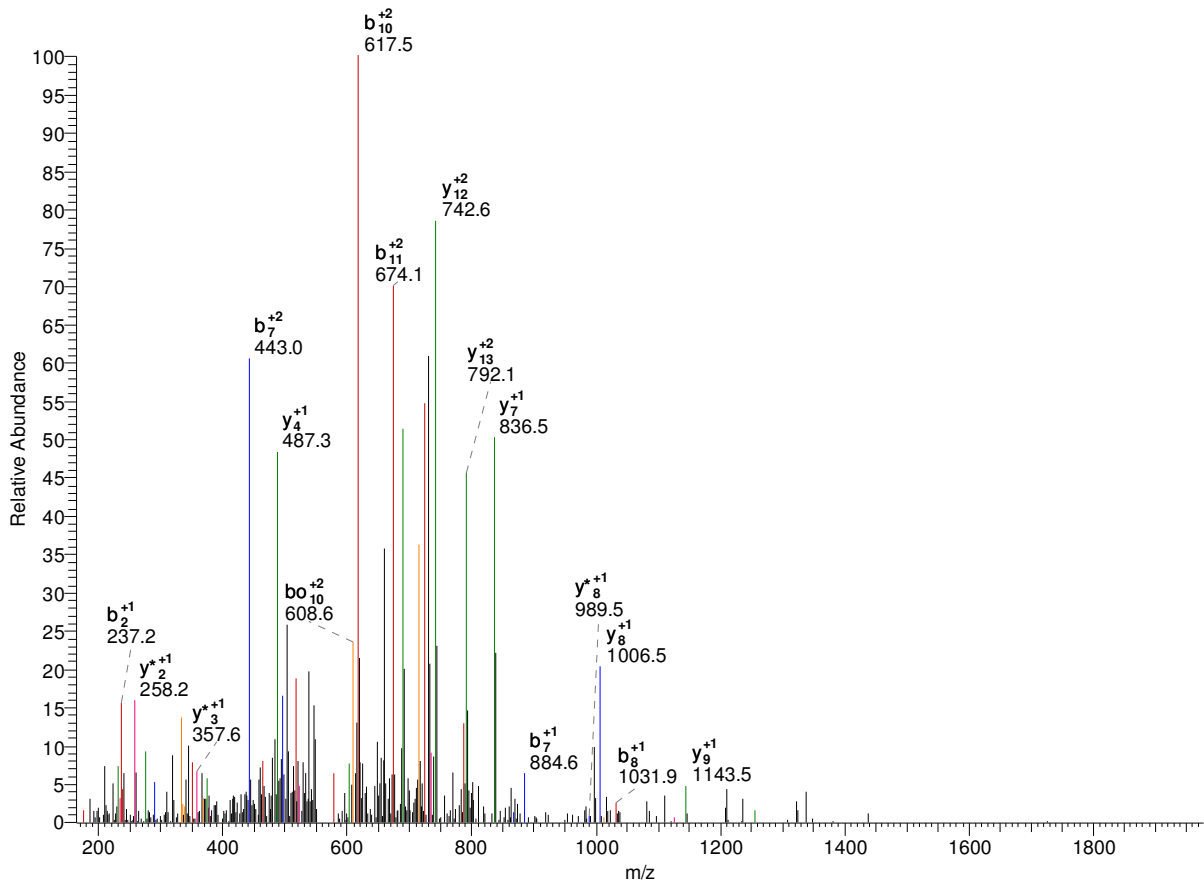
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	25
2	S	113.05	104.54	104.05	1371.66	1363.15	1362.66	24
3	S	156.57	148.06	147.56	1328.15	1319.63	1319.14	23
4	S	200.08	191.57	191.08	1284.63	1276.12	1275.63	22
5	N	257.11	248.59	248.10	1241.12	1232.60	1232.11	21
6	M	322.63	314.11	313.62	1184.09	1175.58	1175.09	20
7	P	371.15	362.64	362.15	1118.57	1110.06	1109.57	19
8	S	414.67	406.16	405.66	1070.05	1061.53	1061.04	18
9	L	471.21	462.70	462.21	1026.53	1018.02	1017.53	17
10	N	528.23	519.72	519.23	969.99	961.48	960.98	16
11	N	585.25	576.74	576.25	912.97	904.45	903.96	15
12	P	633.78	625.27	624.77	855.95	847.43	846.94	14
13	N	690.80	682.29	681.80	807.42	798.91	798.41	13
14	Q	754.83	746.32	745.83	750.40	741.89	741.39	12
15	F	828.37	819.85	819.36	686.37	677.86	677.36	11
16	N	885.39	876.87	876.38	612.83	604.32	603.83	10
17	S	928.90	920.39	919.90	555.81	547.30	546.81	9
18	V	978.44	969.92	969.43	512.30	503.78	503.29	8
19	S	1021.95	1013.44	1012.95	462.76	454.25	453.76	7
20	L	1078.49	1069.98	1069.49	419.25	410.73	410.24	6
21	K*	1163.55	1155.03	1154.54	362.71	354.19	353.70	5
22	F	1237.08	1228.57	1228.08	277.65	269.14	268.65	4
23	P	1285.61	1277.09	1276.60	204.12	195.60	195.11	3
24	Y	1367.14	1358.63	1358.13	155.59	147.08	146.59	2
25	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	H	46.69	41.02	40.69	-	-	-	25
2	S	75.70	70.03	69.70	914.78	909.10	908.77	24
3	S	104.71	99.04	98.71	885.77	880.09	879.76	23
4	S	133.73	128.05	127.72	856.76	851.08	850.75	22
5	N	171.74	166.06	165.74	827.75	822.07	821.74	21
6	M	215.42	209.74	209.42	789.73	784.06	783.73	20
7	P	247.77	242.10	241.77	746.05	740.38	740.05	19
8	S	276.78	271.11	270.78	713.70	708.02	707.70	18
9	L	314.48	308.80	308.47	684.69	679.01	678.69	17
10	N	352.49	346.82	346.49	647.00	641.32	640.99	16
11	N	390.50	384.83	384.50	608.98	603.31	602.98	15
12	P	422.86	417.18	416.85	570.97	565.29	564.96	14
13	N	460.87	455.19	454.87	538.62	532.94	532.61	13
14	Q	503.56	497.88	497.55	500.60	494.93	494.60	12
15	F	552.58	546.90	546.58	457.92	452.24	451.91	11
16	N	590.59	584.92	584.59	408.89	403.22	402.89	10
17	S	619.60	613.93	613.60	370.88	365.20	364.87	9
18	V	652.63	646.95	646.62	341.87	336.19	335.86	8
19	S	681.64	675.96	675.63	308.84	303.17	302.84	7
20	L	719.33	713.66	713.33	279.83	274.16	273.83	6
21	K*	776.03	770.36	770.03	242.14	236.46	236.14	5
22	F	825.06	819.38	819.05	185.44	179.76	179.43	4
23	P	857.41	851.73	851.40	136.41	130.74	130.41	3
24	Y	911.76	906.09	905.76	104.06	98.39	98.06	2
25	K	-	-	-	49.71	44.03	43.71	1

-

1719.95 K.HVNILHK*FSDIVQK.R
 psu|PFB0750w | organism=Plasmodium_falciparum_3D7 | product=vacuolar protein-sorting
 protein VPS45, 497 - 511
 #6488-6488 NL:2.00E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	14
2	V	237.13	220.11	219.12	1582.90	1565.87	1564.88	13
3	N	351.18	334.15	333.17	1483.83	1466.80	1465.82	12
4	I	464.26	447.24	446.25	1369.78	1352.76	1351.77	11
5	L	577.35	560.32	559.34	1256.70	1239.67	1238.69	10
6	H	714.40	697.38	696.39	1143.62	1126.59	1125.61	9
7	K*	884.51	867.48	866.50	1006.56	989.53	988.55	8
8	F	1031.58	1014.55	1013.57	836.45	819.42	818.44	7
9	S	1118.61	1101.58	1100.60	689.38	672.36	671.37	6
10	D	1233.64	1216.61	1215.63	602.35	585.32	584.34	5
11	I	1346.72	1329.70	1328.71	487.32	470.30	469.31	4
12	V	1445.79	1428.76	1427.78	374.24	357.21	356.23	3
13	Q	1573.85	1556.82	1555.84	275.17	258.14	257.16	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	14
2	V	119.07	110.56	110.07	791.95	783.44	782.95	13
3	N	176.09	167.58	167.09	742.42	733.90	733.41	12
4	I	232.63	224.12	223.63	685.40	676.88	676.39	11
5	L	289.18	280.66	280.17	628.85	620.34	619.85	10

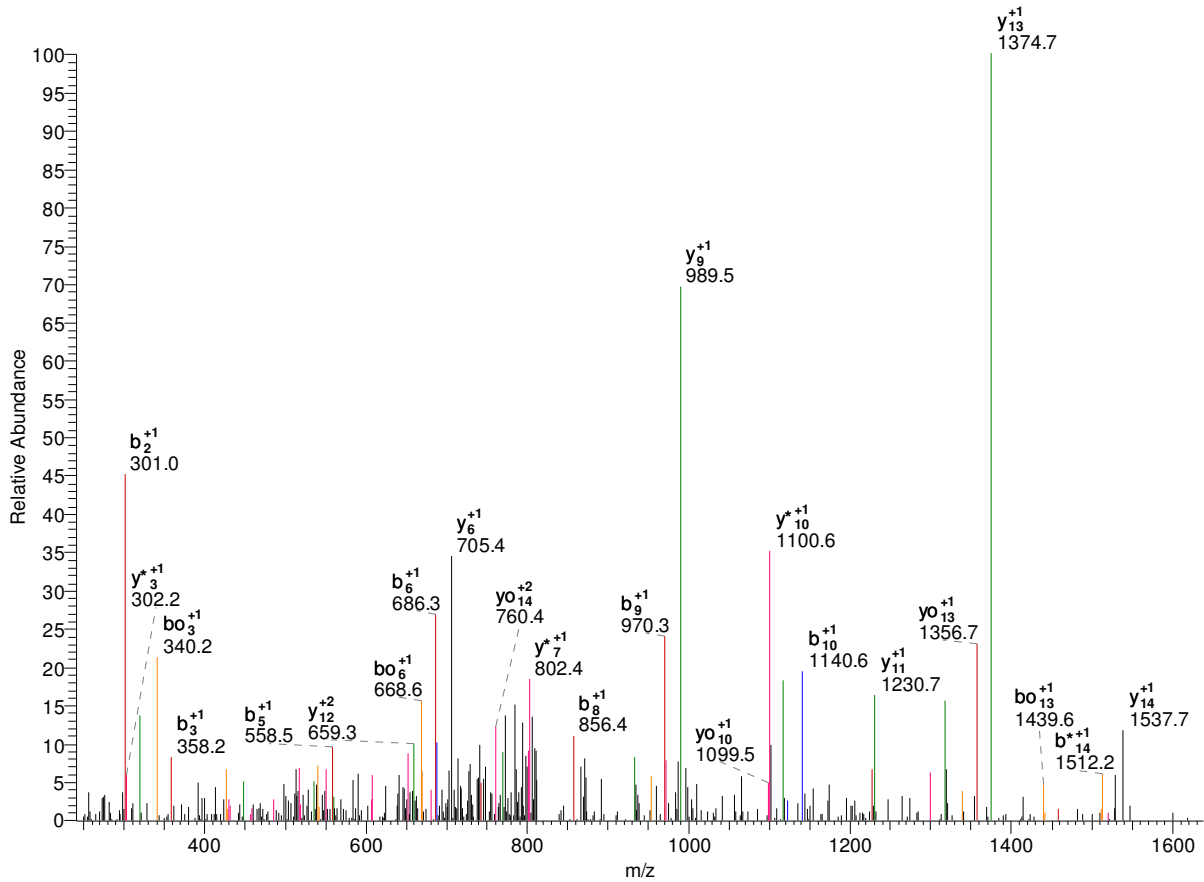
6	H	357.71	349.19	348.70	572.31	563.80	563.31	9
7	K*	442.76	434.25	433.75	503.78	495.27	494.78	8
8	F	516.29	507.78	507.29	418.73	410.22	409.72	7
9	S	559.81	551.30	550.80	345.20	336.68	336.19	6
10	D	617.32	608.81	608.32	301.68	293.17	292.67	5
11	I	673.86	665.35	664.86	244.17	235.65	235.16	4
12	V	723.40	714.89	714.39	187.62	179.11	178.62	3
13	Q	787.43	778.91	778.42	138.09	129.58	129.08	2
14	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	H	46.69	41.02	40.69	-	-	-	14
2	V	79.72	74.04	73.71	528.30	522.63	522.30	13
3	N	117.73	112.06	111.73	495.28	489.60	489.28	12
4	I	155.43	149.75	149.42	457.27	451.59	451.26	11
5	L	193.12	187.44	187.12	419.57	413.90	413.57	10
6	H	238.81	233.13	232.80	381.88	376.20	375.87	9
7	K*	295.51	289.83	289.50	336.19	330.51	330.19	8
8	F	344.53	338.86	338.53	279.49	273.81	273.49	7
9	S	373.54	367.87	367.54	230.47	224.79	224.46	6
10	D	411.88	406.21	405.88	201.46	195.78	195.45	5
11	I	449.58	443.90	443.58	163.11	157.44	157.11	4
12	V	482.60	476.93	476.60	125.42	119.74	119.41	3
13	Q	525.29	519.61	519.28	92.40	86.72	86.39	2
14	K	-	-	-	49.71	44.03	43.71	1

-

1674.84 R.HYGSLQGLNK*SETAK.K
 psu|PF11_0208 | organism=Plasmodium_falciparum_3D7 | product=phosphoglycerate mutase,
 putative | lo90 - 105
 #2286-2286 NL: 1.52E2



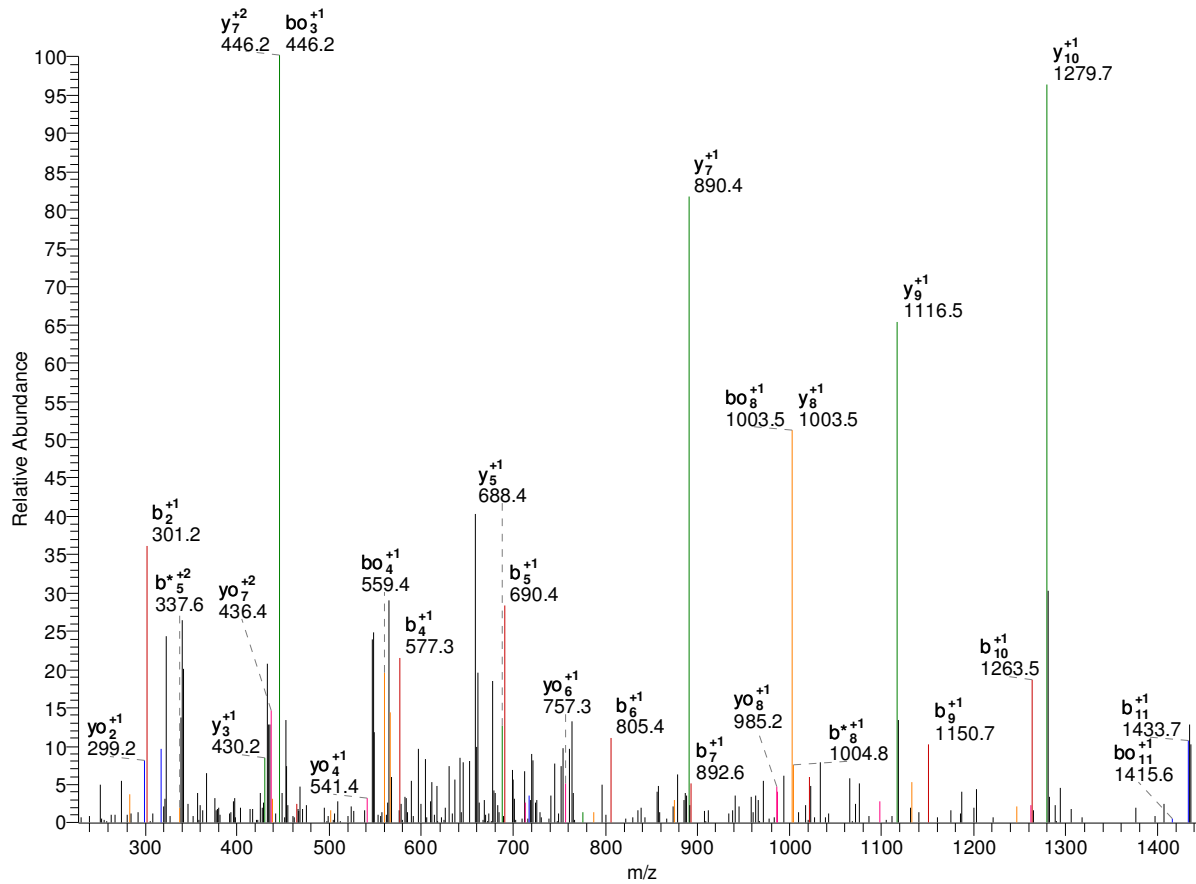
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	15
2	Y	301.13	284.10	283.12	1537.79	1520.76	1519.78	14
3	G	358.15	341.12	340.14	1374.72	1357.70	1356.71	13
4	S	445.18	428.16	427.17	1317.70	1300.67	1299.69	12
5	L	558.27	541.24	540.26	1230.67	1213.64	1212.66	11
6	Q	686.33	669.30	668.32	1117.58	1100.56	1099.57	10
7	G	743.35	726.32	725.34	989.53	972.50	971.52	9
8	L	856.43	839.40	838.42	932.50	915.48	914.49	8
9	N	970.47	953.45	952.46	819.42	802.39	801.41	7
10	K*	1140.58	1123.55	1122.57	705.38	688.35	687.37	6
11	S	1227.61	1210.59	1209.60	535.27	518.25	517.26	5
12	E	1356.65	1339.63	1338.64	448.24	431.21	430.23	4
13	T	1457.70	1440.68	1439.69	319.20	302.17	301.19	3
14	A	1528.74	1511.71	1510.73	218.15	201.12	200.14	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	15
2	Y	151.07	142.56	142.06	769.40	760.88	760.39	14
3	G	179.58	171.07	170.57	687.86	679.35	678.86	13
4	S	223.10	214.58	214.09	659.35	650.84	650.35	12

5	L	279.64	271.12	270.63	615.84	607.32	606.83	11
6	Q	343.67	335.15	334.66	559.30	550.78	550.29	10
7	G	372.18	363.66	363.17	495.27	486.75	486.26	9
8	L	428.72	420.21	419.71	466.76	458.24	457.75	8
9	N	485.74	477.23	476.74	410.21	401.70	401.21	7
10	K*	570.79	562.28	561.79	353.19	344.68	344.19	6
11	S	614.31	605.80	605.30	268.14	259.63	259.13	5
12	E	678.83	670.32	669.83	224.62	216.11	215.62	4
13	T	729.35	720.84	720.35	160.10	151.59	151.10	3
14	A	764.87	756.36	755.87	109.58	101.07	100.57	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1579.80 K.HYYLLDSEELK*K.K
 psu|PF11_0208 | organism=Plasmodium_falciparum_3D7 | product=phosphoglycerate mutase,
 putative | lo226 - 238
 #4677-4677 NL: 1.11E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	12
2	Y	301.13	284.10	283.12	1442.74	1425.71	1424.73	11
3	Y	464.19	447.17	446.18	1279.68	1262.65	1261.67	10
4	L	577.28	560.25	559.27	1116.61	1099.59	1098.60	9
5	L	690.36	673.33	672.35	1003.53	986.50	985.52	8
6	D	805.39	788.36	787.38	890.45	873.42	872.44	7
7	S	892.42	875.39	874.41	775.42	758.39	757.41	6
8	E	1021.46	1004.44	1003.45	688.39	671.36	670.38	5
9	E	1150.51	1133.48	1132.49	559.34	542.32	541.33	4
10	L	1263.59	1246.56	1245.58	430.30	413.28	412.29	3
11	K*	1433.69	1416.67	1415.68	317.22	300.19	299.21	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	12
2	Y	151.07	142.56	142.06	721.87	713.36	712.87	11
3	Y	232.60	224.09	223.59	640.34	631.83	631.34	10
4	L	289.14	280.63	280.14	558.81	550.30	549.81	9
5	L	345.68	337.17	336.68	502.27	493.76	493.26	8
6	D	403.20	394.68	394.19	445.73	437.21	436.72	7
7	S	446.71	438.20	437.71	388.21	379.70	379.21	6

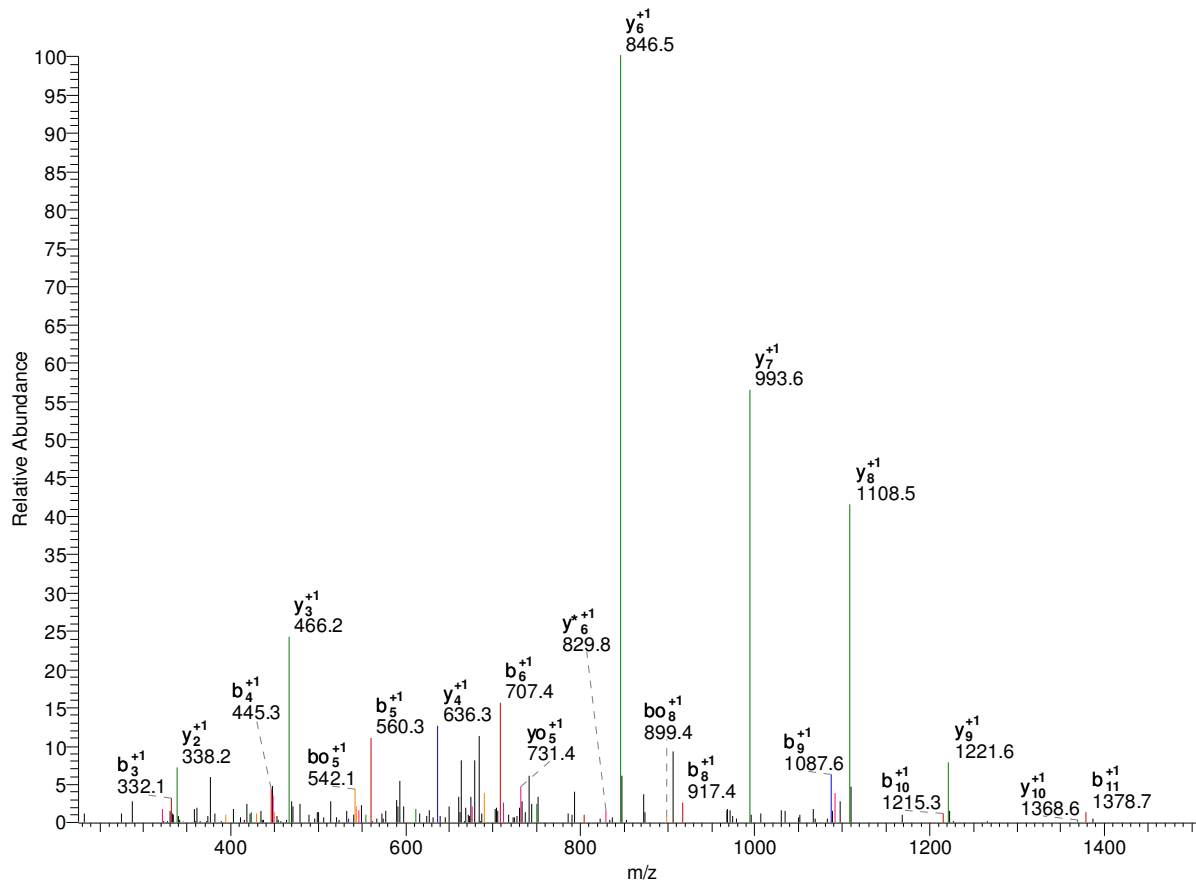
8	E	511.23	502.72	502.23	344.70	336.18	335.69	5
9	E	575.76	567.24	566.75	280.18	271.66	271.17	4
10	L	632.30	623.78	623.29	215.65	207.14	206.65	3
11	K*	717.35	708.84	708.35	159.11	150.60	150.11	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1552.85 K.IAFLDFPLK*QYR.L

psu|PF11_0331 | organism=Plasmodium_falciparum_3D7 | product=t-complex protein 1, alpha subunit, pu 231 - 243

#7518-7518 NL:2.07E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	12
2	A	185.13	168.10	167.12	1439.77	1422.74	1421.76	11
3	F	332.20	315.17	314.19	1368.73	1351.70	1350.72	10
4	L	445.28	428.25	427.27	1221.66	1204.64	1203.65	9
5	D	560.31	543.28	542.30	1108.58	1091.55	1090.57	8
6	F	707.38	690.35	689.37	993.55	976.53	975.54	7
7	P	804.43	787.40	786.42	846.48	829.46	828.47	6
8	L	917.51	900.49	899.50	749.43	732.40	731.42	5
9	K*	1087.62	1070.59	1069.61	636.35	619.32	618.34	4
10	Q	1215.68	1198.65	1197.67	466.24	449.21	448.23	3
11	Y	1378.74	1361.71	1360.73	338.18	321.16	320.17	2
12	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	12
2	A	93.07	84.55	84.06	720.39	711.87	711.38	11
3	F	166.60	158.09	157.60	684.87	676.36	675.86	10
4	L	223.14	214.63	214.14	611.33	602.82	602.33	9
5	D	280.66	272.14	271.65	554.79	546.28	545.79	8
6	F	354.19	345.68	345.19	497.28	488.77	488.27	7
7	P	402.72	394.20	393.71	423.75	415.23	414.74	6

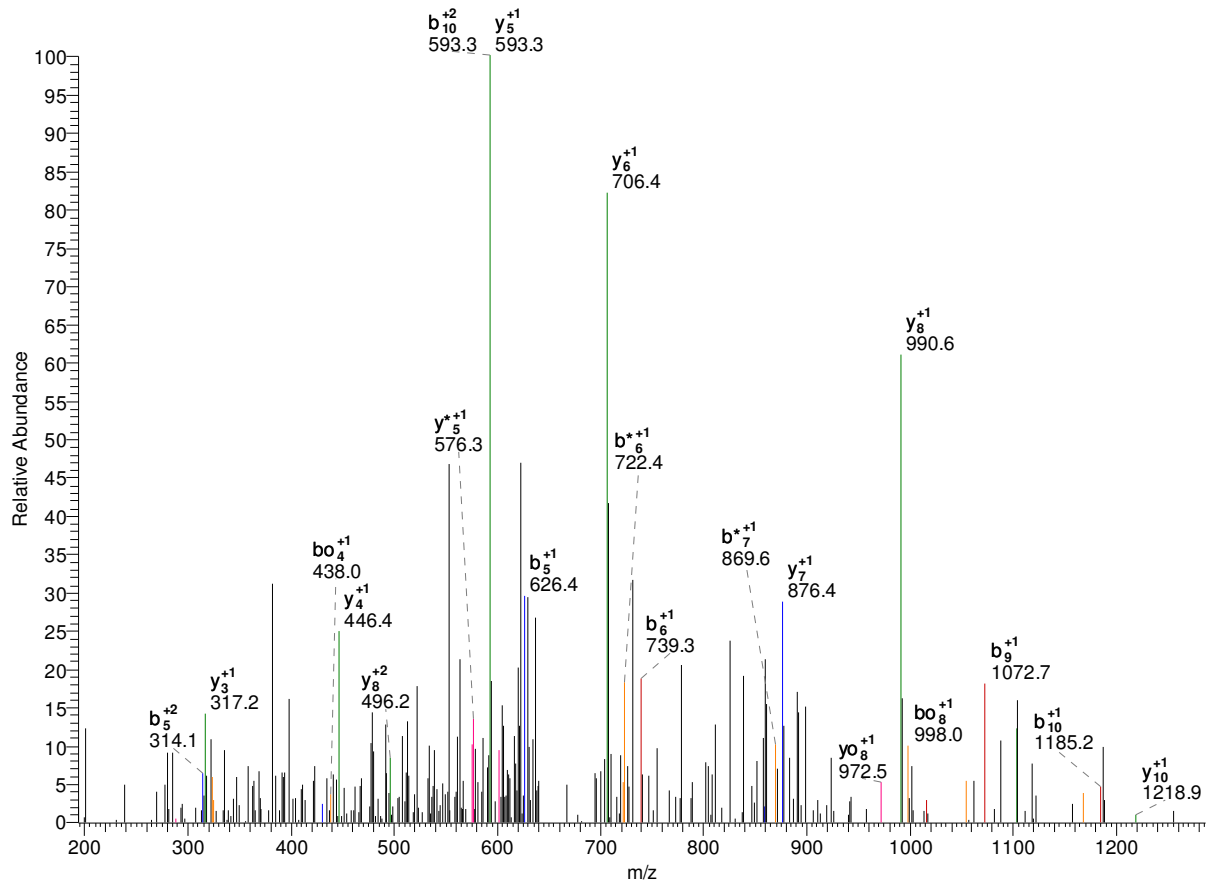
8	L	459.26	450.75	450.25	375.22	366.71	366.21	5
9	K*	544.31	535.80	535.31	318.68	310.16	309.67	4
10	Q	608.34	599.83	599.34	233.62	225.11	224.62	3
11	Y	689.87	681.36	680.87	169.59	161.08	160.59	2
12	R	-	-	-	88.06	79.55	79.06	1

-

1331.76 K.IDINK*LFEGGLK.G

psu|PF14_0241 | organism=Plasmodium_falciparum_3D7 | product=basictranscription factor 3b, putative 104 - 115

#7979-7979 NL:5.97E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	11
2	D	229.12	212.09	211.11	1218.67	1201.65	1200.66	10
3	I	342.20	325.18	324.19	1103.65	1086.62	1085.64	9
4	N	456.25	439.22	438.23	990.56	973.54	972.55	8
5	K*	626.35	609.32	608.34	876.52	859.49	858.51	7
6	L	739.43	722.41	721.42	706.41	689.39	688.40	6
7	F	886.50	869.48	868.49	593.33	576.30	575.32	5
8	E	1015.55	998.52	997.54	446.26	429.23	428.25	4
9	G	1072.57	1055.54	1054.56	317.22	300.19	299.21	3
10	L	1185.65	1168.62	1167.64	260.20	243.17	242.19	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	11
2	D	115.06	106.55	106.06	609.84	601.33	600.83	10
3	I	171.60	163.09	162.60	552.33	543.81	543.32	9
4	N	228.63	220.11	219.62	495.78	487.27	486.78	8
5	K*	313.68	305.17	304.67	438.76	430.25	429.76	7
6	L	370.22	361.71	361.22	353.71	345.20	344.71	6
7	F	443.76	435.24	434.75	297.17	288.66	288.16	5
8	E	508.28	499.76	499.27	223.63	215.12	214.63	4

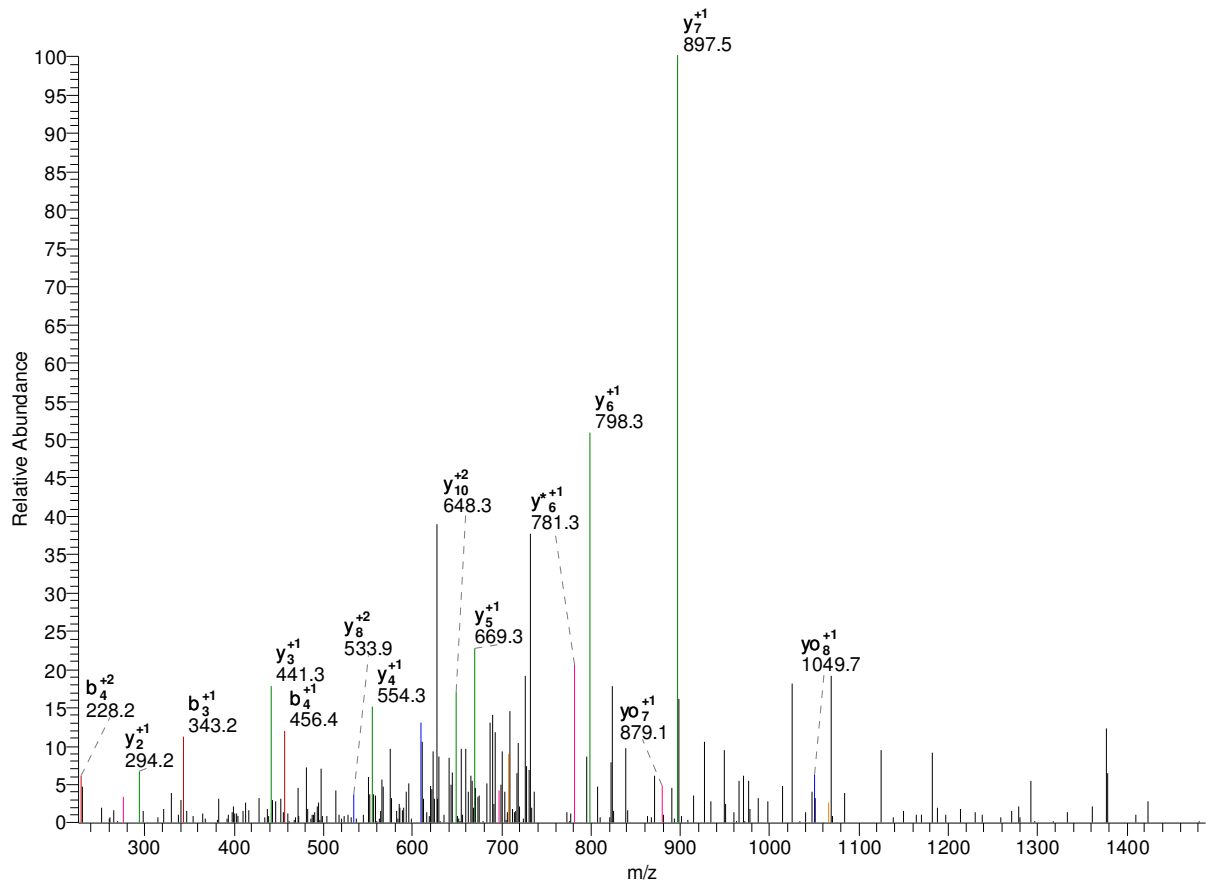
9	G	536.79	528.27	527.78	159.11	150.60	150.11	3
10	L	593.33	584.82	584.32	130.60	122.09	121.60	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1522.82 K.IDNLK*VEDLFFK.G

psu|PF10_0077 | organism=Plasmodium_falciparum_3D7 | product=eukaryotictranslation
 initiation facto 180 - 192

#7376-7376 NL: 1.05E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	12
2	D	229.12	212.09	211.11	1409.73	1392.70	1391.72	11
3	N	343.16	326.13	325.15	1294.70	1277.68	1276.69	10
4	L	456.25	439.22	438.23	1180.66	1163.63	1162.65	9
5	K*	626.35	609.32	608.34	1067.58	1050.55	1049.57	8
6	V	725.42	708.39	707.41	897.47	880.45	879.46	7
7	E	854.46	837.44	836.45	798.40	781.38	780.39	6
8	D	969.49	952.46	951.48	669.36	652.33	651.35	5
9	L	1082.57	1065.55	1064.56	554.33	537.31	536.32	4
10	F	1229.64	1212.61	1211.63	441.25	424.22	423.24	3
11	F	1376.71	1359.68	1358.70	294.18	277.15	276.17	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	12
2	D	115.06	106.55	106.06	705.37	696.86	696.36	11
3	N	172.08	163.57	163.08	647.86	639.34	638.85	10
4	L	228.63	220.11	219.62	590.83	582.32	581.83	9
5	K*	313.68	305.17	304.67	534.29	525.78	525.29	8
6	V	363.21	354.70	354.21	449.24	440.73	440.23	7
7	E	427.73	419.22	418.73	399.71	391.19	390.70	6
8	D	485.25	476.73	476.24	335.18	326.67	326.18	5

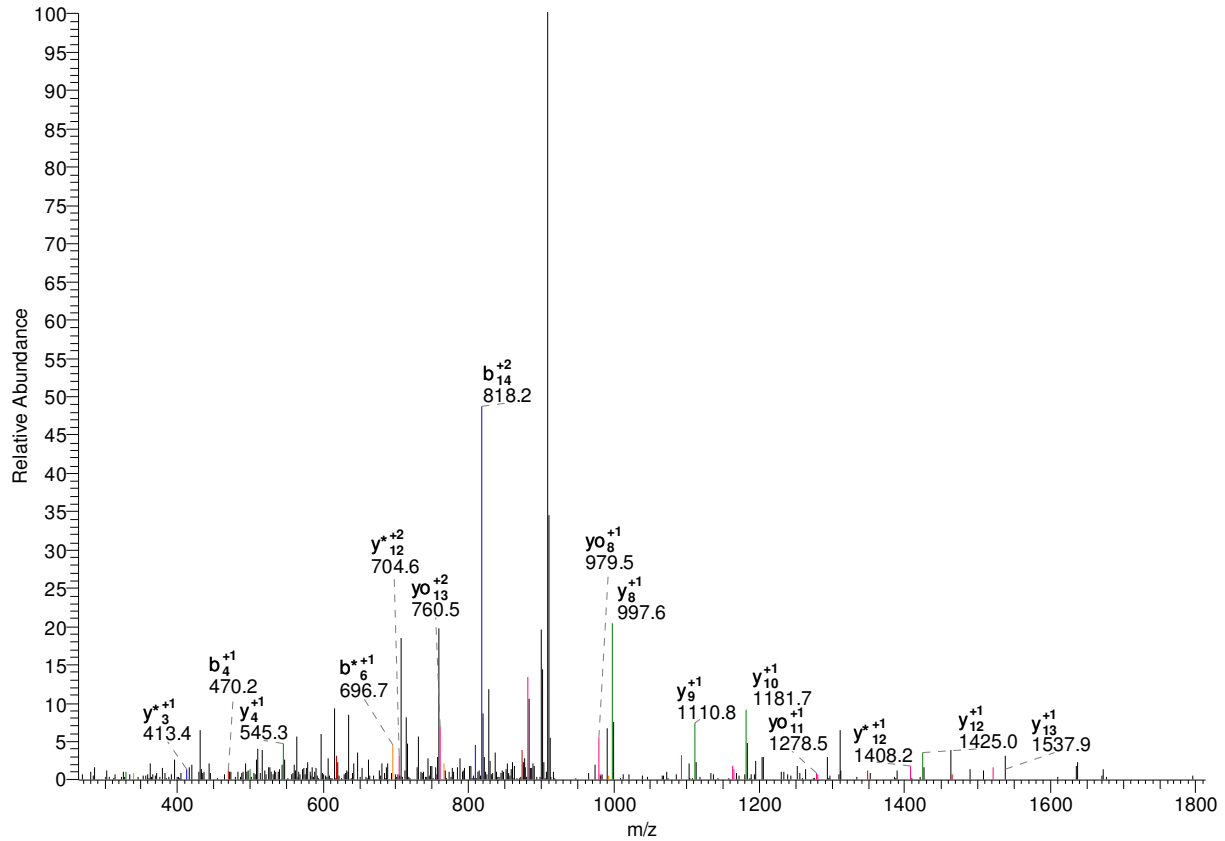
9	L	541.79	533.28	532.78	277.67	269.16	268.67	4
10	F	615.32	606.81	606.32	221.13	212.62	212.12	3
11	F	688.86	680.35	679.85	147.59	139.08	138.59	2
12	K	-	-	-	74.06	65.55	65.05	1

—

1894.16 K.IDQIKDALLIILDK*IK.E

psu|PF14_0151 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 74 - 90

#9871-9871 NL:3.71E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	16
2	D	229.12	212.09	211.11	1781.08	1764.05	1763.07	15
3	Q	357.18	340.15	339.17	1666.05	1649.02	1648.04	14
4	I	470.26	453.23	452.25	1537.99	1520.97	1519.98	13
5	K	598.36	581.33	580.35	1424.91	1407.88	1406.90	12
6	D	713.38	696.36	695.37	1296.81	1279.79	1278.80	11
7	A	784.42	767.39	766.41	1181.79	1164.76	1163.78	10
8	L	897.50	880.48	879.49	1110.75	1093.72	1092.74	9
9	L	1010.59	993.56	992.58	997.67	980.64	979.66	8
10	I	1123.67	1106.65	1105.66	884.58	867.55	866.57	7
11	I	1236.76	1219.73	1218.75	771.50	754.47	753.49	6
12	L	1349.84	1332.81	1331.83	658.41	641.39	640.40	5
13	D	1464.87	1447.84	1446.86	545.33	528.30	527.32	4
14	K*	1634.97	1617.95	1616.96	430.30	413.28	412.29	3
15	I	1748.06	1731.03	1730.05	260.20	243.17	242.19	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	16
2	D	115.06	106.55	106.06	891.04	882.53	882.04	15
3	Q	179.09	170.58	170.09	833.53	825.02	824.52	14

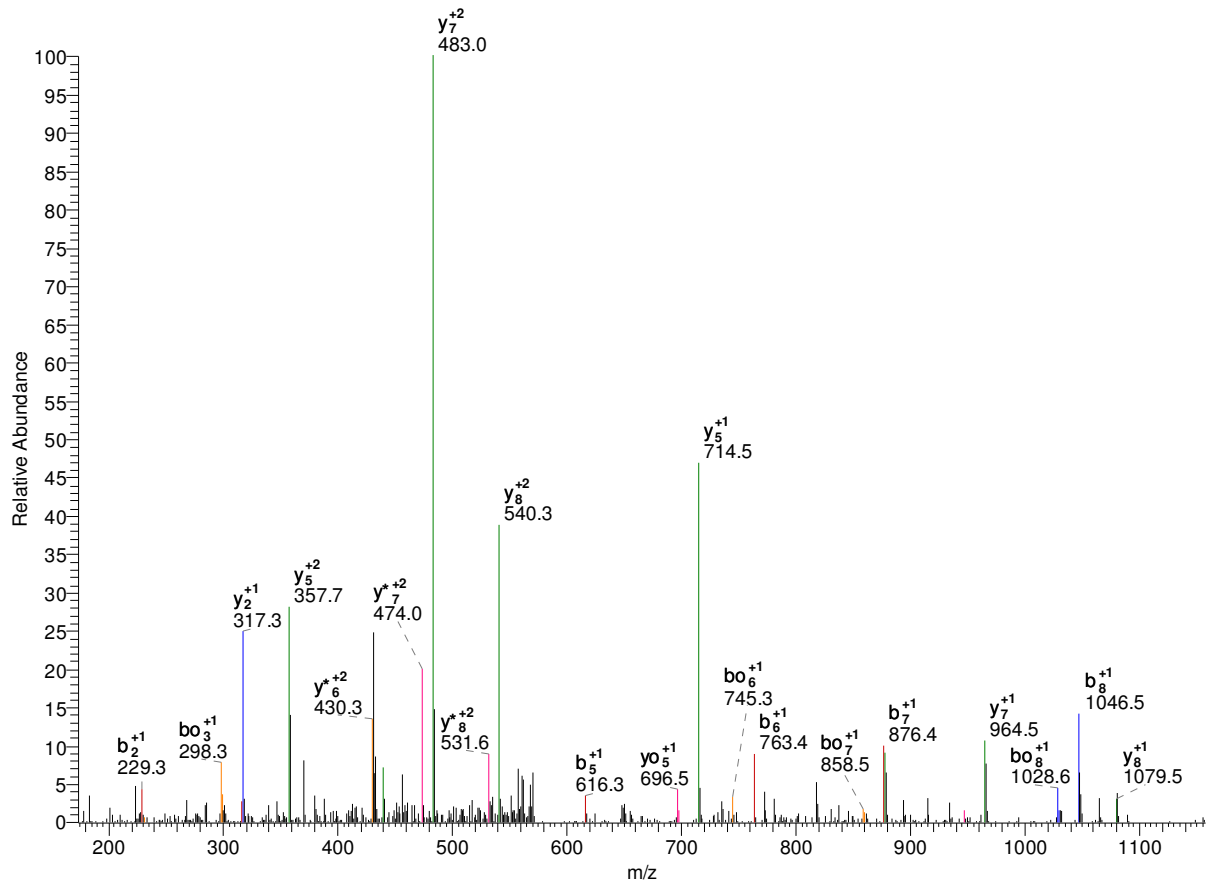
4	I	235.63	227.12	226.63	769.50	760.99	760.49	13
5	K	299.68	291.17	290.68	712.96	704.44	703.95	12
6	D	357.20	348.68	348.19	648.91	640.40	639.91	11
7	A	392.71	384.20	383.71	591.40	582.88	582.39	10
8	L	449.26	440.74	440.25	555.88	547.37	546.87	9
9	L	505.80	497.28	496.79	499.34	490.82	490.33	8
10	I	562.34	553.83	553.33	442.79	434.28	433.79	7
11	I	618.88	610.37	609.88	386.25	377.74	377.25	6
12	L	675.42	666.91	666.42	329.71	321.20	320.71	5
13	D	732.94	724.42	723.93	273.17	264.66	264.16	4
14	K*	817.99	809.48	808.98	215.65	207.14	206.65	3
15	I	874.53	866.02	865.53	130.60	122.09	121.60	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1192.64 K.IDSYHFLK*K.L

psu|MAL8P1.127 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | loc 767 - 776

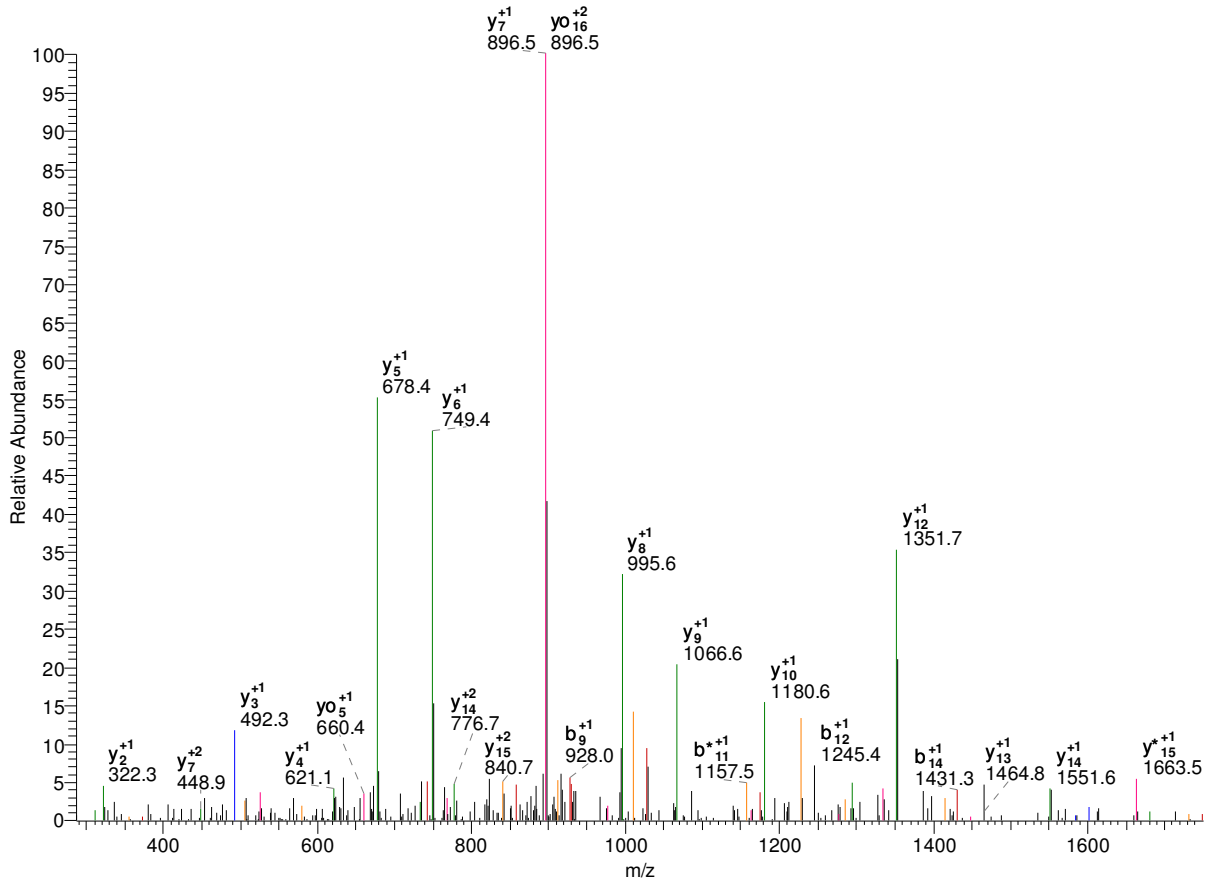
#2829-2829 NL: 8.79E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	9
2	D	229.12	212.09	211.11	1079.55	1062.53	1061.54	8
3	S	316.15	299.12	298.14	964.53	947.50	946.51	7
4	Y	479.21	462.19	461.20	877.49	860.47	859.48	6
5	H	616.27	599.25	598.26	714.43	697.40	696.42	5
6	F	763.34	746.31	745.33	577.37	560.34	559.36	4
7	L	876.43	859.40	858.41	430.30	413.28	412.29	3
8	K*	1046.53	1029.50	1028.52	317.22	300.19	299.21	2
9	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	9
2	D	115.06	106.55	106.06	540.28	531.77	531.27	8
3	S	158.58	150.07	149.57	482.77	474.25	473.76	7
4	Y	240.11	231.60	231.11	439.25	430.74	430.24	6
5	H	308.64	300.13	299.63	357.72	349.21	348.71	5
6	F	382.17	373.66	373.17	289.19	280.68	280.18	4
7	L	438.72	430.20	429.71	215.65	207.14	206.65	3
8	K*	523.77	515.26	514.76	159.11	150.60	150.11	2
9	K	-	-	-	74.06	65.55	65.05	1

1922.96 R.IEESLGNAVFAGEK*FR.L
 psu|PF10_0155 | organism=Plasmodium_falciparum_3D7 | product=enolase |
 location=MAL10:637137-639010 425 - 442
 #4922-4922 NL: 2.20E2



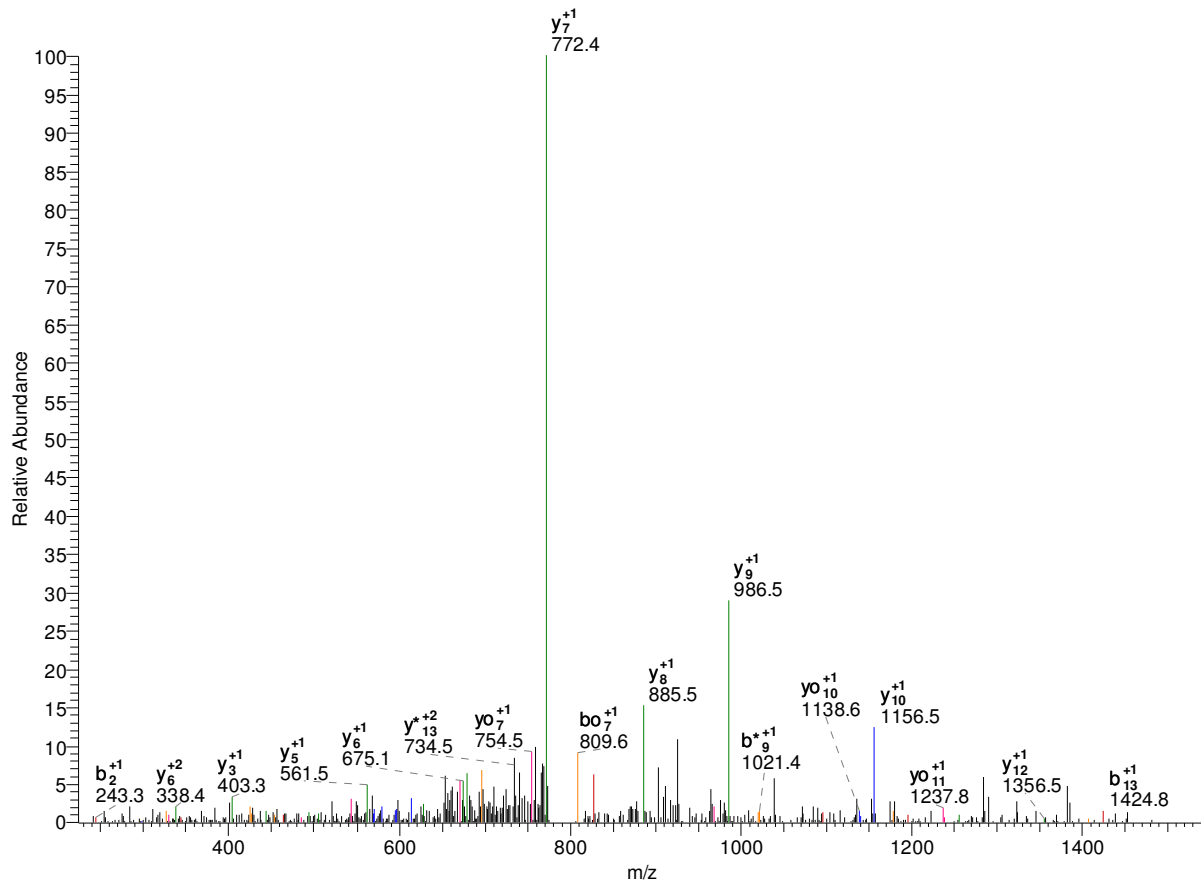
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	17
2	E	243.13	226.11	225.12	1809.88	1792.85	1791.87	16
3	E	372.18	355.15	354.17	1680.83	1663.81	1662.82	15
4	S	459.21	442.18	441.20	1551.79	1534.76	1533.78	14
5	L	572.29	555.27	554.28	1464.76	1447.73	1446.75	13
6	G	629.31	612.29	611.30	1351.68	1334.65	1333.66	12
7	N	743.36	726.33	725.35	1294.65	1277.63	1276.64	11
8	N	857.40	840.37	839.39	1180.61	1163.58	1162.60	10
9	A	928.44	911.41	910.43	1066.57	1049.54	1048.56	9
10	V	1027.51	1010.48	1009.49	995.53	978.50	977.52	8
11	F	1174.57	1157.55	1156.56	896.46	879.44	878.45	7
12	A	1245.61	1228.58	1227.60	749.39	732.37	731.38	6
13	G	1302.63	1285.61	1284.62	678.36	661.33	660.35	5
14	E	1431.68	1414.65	1413.66	621.34	604.31	603.32	4
15	K*	1601.78	1584.75	1583.77	492.29	475.27	474.28	3
16	F	1748.85	1731.82	1730.84	322.19	305.16	304.18	2
17	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	17
2	E	122.07	113.56	113.07	905.44	896.93	896.44	16

3	E	186.59	178.08	177.59	840.92	832.41	831.92	15
4	S	230.11	221.59	221.10	776.40	767.89	767.39	14
5	L	286.65	278.14	277.64	732.88	724.37	723.88	13
6	G	315.16	306.65	306.16	676.34	667.83	667.34	12
7	N	372.18	363.67	363.18	647.83	639.32	638.83	11
8	N	429.20	420.69	420.20	590.81	582.30	581.80	10
9	A	464.72	456.21	455.72	533.79	525.27	524.78	9
10	V	514.26	505.74	505.25	498.27	489.76	489.26	8
11	F	587.79	579.28	578.79	448.73	440.22	439.73	7
12	A	623.31	614.80	614.30	375.20	366.69	366.20	6
13	G	651.82	643.31	642.81	339.68	331.17	330.68	5
14	E	716.34	707.83	707.34	311.17	302.66	302.17	4
15	K*	801.39	792.88	792.39	246.65	238.14	237.64	3
16	F	874.93	866.41	865.92	161.60	153.08	152.59	2
17	R	-	-	-	88.06	79.55	79.06	1

-

1598.87 R.IETVK*TLPNGTVER.T
 psu|PFL0565w | organism=Plasmodium_falciparum_3D7 | product=heat shock protein DNAJ
 homologue Pfj4 202 - 216
 #3124-3124 NL: 4.68E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	14
2	E	243.13	226.11	225.12	1485.79	1468.76	1467.78	13
3	T	344.18	327.16	326.17	1356.75	1339.72	1338.74	12
4	V	443.25	426.22	425.24	1255.70	1238.67	1237.69	11
5	K*	613.36	596.33	595.34	1156.63	1139.61	1138.62	10
6	T	714.40	697.38	696.39	986.53	969.50	968.52	9
7	L	827.49	810.46	809.48	885.48	868.45	867.47	8
8	P	924.54	907.51	906.53	772.39	755.37	754.38	7
9	N	1038.58	1021.56	1020.57	675.34	658.32	657.33	6
10	G	1095.60	1078.58	1077.59	561.30	544.27	543.29	5
11	T	1196.65	1179.63	1178.64	504.28	487.25	486.27	4
12	V	1295.72	1278.69	1277.71	403.23	386.20	385.22	3
13	E	1424.76	1407.74	1406.75	304.16	287.13	286.15	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	14
2	E	122.07	113.56	113.07	743.40	734.89	734.39	13
3	T	172.59	164.08	163.59	678.88	670.36	669.87	12
4	V	222.13	213.62	213.12	628.35	619.84	619.35	11
5	K*	307.18	298.67	298.18	578.82	570.31	569.81	10

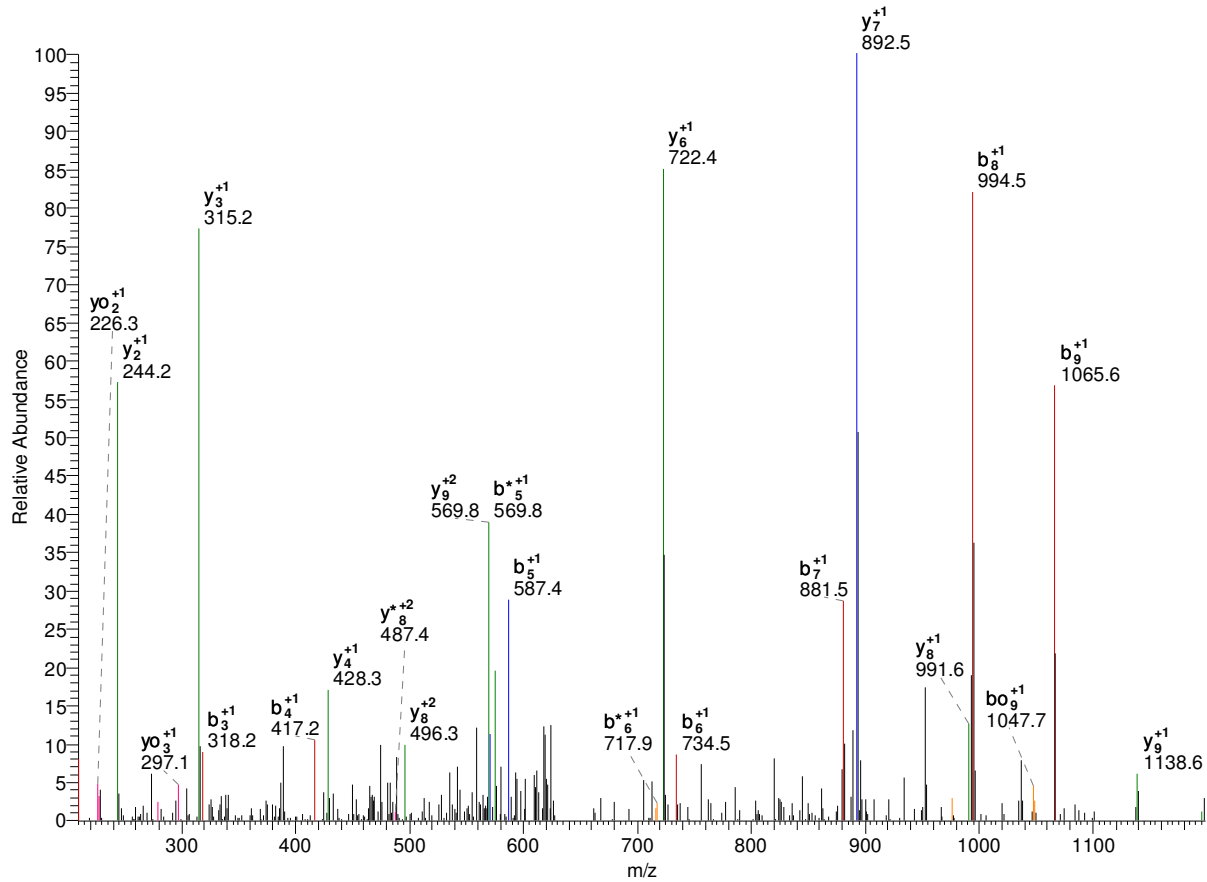
6	T	357.71	349.19	348.70	493.77	485.25	484.76	9
7	L	414.25	405.73	405.24	443.24	434.73	434.24	8
8	P	462.77	454.26	453.77	386.70	378.19	377.70	7
9	N	519.80	511.28	510.79	338.17	329.66	329.17	6
10	G	548.31	539.79	539.30	281.15	272.64	272.15	5
11	T	598.83	590.32	589.82	252.64	244.13	243.64	4
12	V	648.36	639.85	639.36	202.12	193.61	193.11	3
13	E	712.89	704.37	703.88	152.58	144.07	143.58	2
14	R	-	-	-	88.06	79.55	79.06	1

-

1308.77 K.IGFVK*FFLAPK.M

psu|PF13_0328 | organism=Plasmodium_falciparum_3D7 | product=proliferating cell nuclear antigen | 1 254 - 265

#8002-8002 NL: 1.68E2



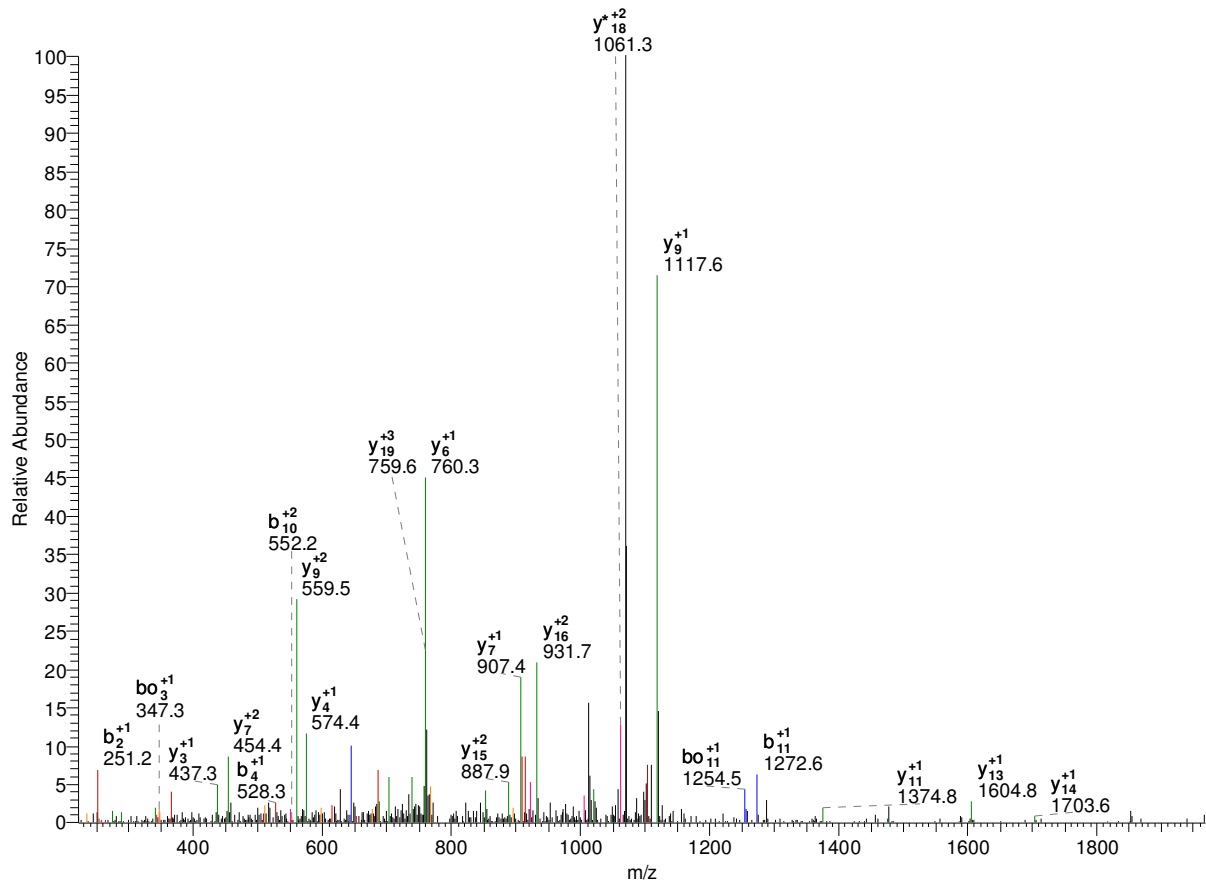
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	11
2	G	171.11	154.09	153.10	1195.69	1178.66	1177.68	10
3	F	318.18	301.15	300.17	1138.67	1121.64	1120.66	9
4	V	417.25	400.22	399.24	991.60	974.57	973.59	8
5	K*	587.36	570.33	569.34	892.53	875.50	874.52	7
6	F	734.42	717.40	716.41	722.42	705.40	704.41	6
7	F	881.49	864.47	863.48	575.36	558.33	557.34	5
8	L	994.58	977.55	976.57	428.29	411.26	410.28	4
9	A	1065.61	1048.59	1047.60	315.20	298.18	297.19	3
10	P	1162.67	1145.64	1144.66	244.17	227.14	226.16	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	11
2	G	86.06	77.55	77.05	598.35	589.83	589.34	10
3	F	159.59	151.08	150.59	569.84	561.32	560.83	9
4	V	209.13	200.62	200.12	496.30	487.79	487.30	8
5	K*	294.18	285.67	285.18	446.77	438.25	437.76	7
6	F	367.72	359.20	358.71	361.72	353.20	352.71	6
7	F	441.25	432.74	432.24	288.18	279.67	279.18	5
8	L	497.79	489.28	488.79	214.65	206.13	205.64	4

9	A	533.31	524.80	524.30	158.10	149.59	149.10	3
10	P	581.84	573.32	572.83	122.59	114.07	113.58	2
11	K	-	-	-	74.06	65.55	65.05	1

-

2389.19 R.IHNYSAVETSK*PLFGEHYVR.V
 psu|PF10_0121 | organism=Plasmodium_falciparum_3D7 | product=hypoxanthine
 phosphoribosyltransferase 92 - 112
 #4674-4674 NL:6.92E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	20
2	H	251.15	234.12	233.14	2276.11	2259.08	2258.10	19
3	N	365.19	348.17	347.18	2139.05	2122.02	2121.04	18
4	Y	528.26	511.23	510.25	2025.01	2007.98	2007.00	17
5	S	615.29	598.26	597.28	1861.94	1844.92	1843.93	16
6	A	686.33	669.30	668.32	1774.91	1757.89	1756.90	15
7	V	785.39	768.37	767.38	1703.88	1686.85	1685.86	14
8	E	914.44	897.41	896.43	1604.81	1587.78	1586.80	13
9	T	1015.48	998.46	997.47	1475.76	1458.74	1457.75	12
10	S	1102.52	1085.49	1084.51	1374.72	1357.69	1356.71	11
11	K*	1272.62	1255.60	1254.61	1287.68	1270.66	1269.67	10
12	P	1369.67	1352.65	1351.66	1117.58	1100.55	1099.57	9
13	L	1482.76	1465.73	1464.75	1020.53	1003.50	1002.52	8
14	F	1629.83	1612.80	1611.82	907.44	890.42	889.43	7
15	G	1686.85	1669.82	1668.84	760.37	743.35	742.36	6
16	E	1815.89	1798.86	1797.88	703.35	686.33	685.34	5
17	H	1952.95	1935.92	1934.94	574.31	557.28	556.30	4
18	Y	2116.01	2098.99	2098.00	437.25	420.22	419.24	3
19	V	2215.08	2198.06	2197.07	274.19	257.16	256.18	2
20	R	-	-	-	175.12	158.09	157.11	1

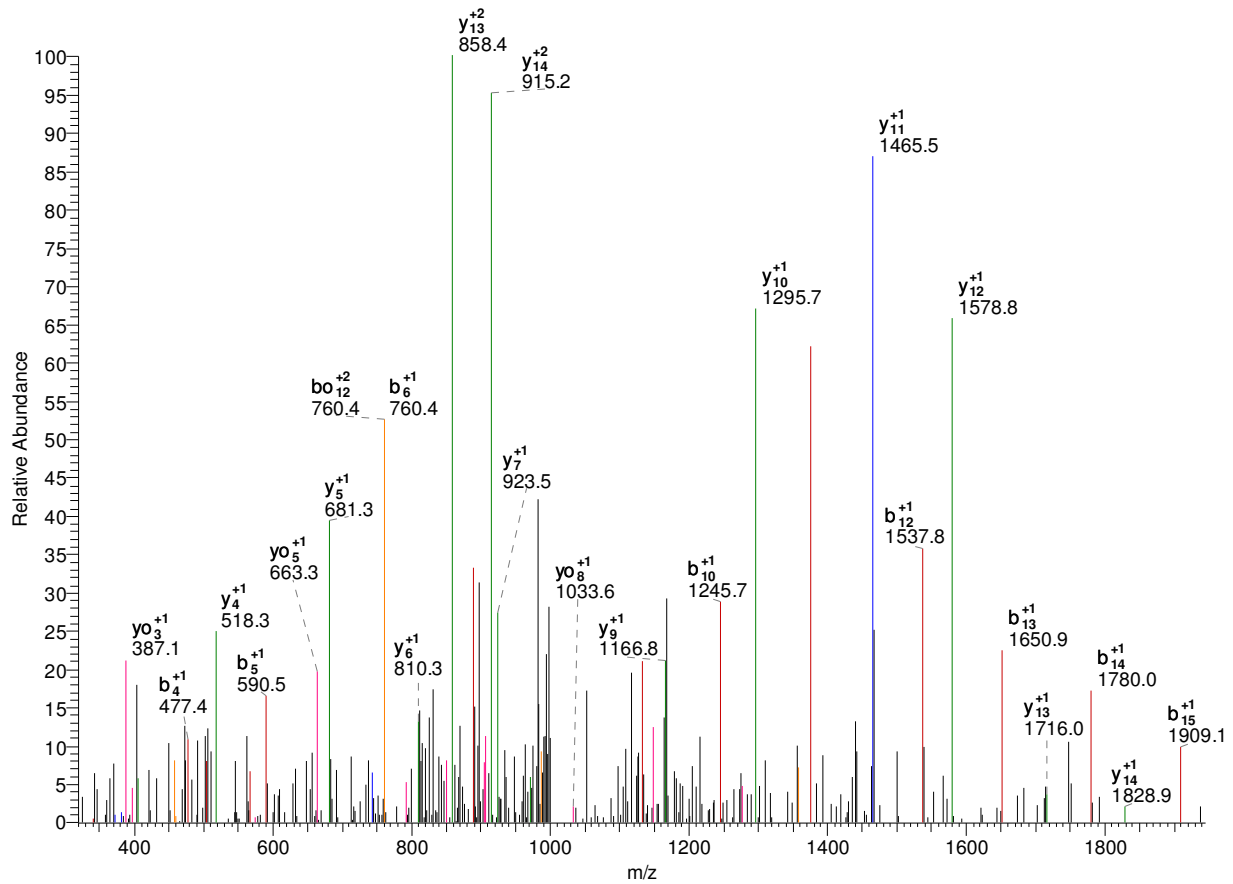
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	20
2	H	126.08	117.57	117.07	1138.56	1130.05	1129.55	19
3	N	183.10	174.59	174.09	1070.03	1061.52	1061.02	18
4	Y	264.63	256.12	255.63	1013.01	1004.49	1004.00	17
5	S	308.15	299.63	299.14	931.48	922.96	922.47	16
6	A	343.67	335.15	334.66	887.96	879.45	878.95	15
7	V	393.20	384.69	384.20	852.44	843.93	843.44	14
8	E	457.72	449.21	448.72	802.91	794.39	793.90	13
9	T	508.25	499.73	499.24	738.39	729.87	729.38	12
10	S	551.76	543.25	542.76	687.86	679.35	678.86	11
11	K*	636.81	628.30	627.81	644.35	635.83	635.34	10
12	P	685.34	676.83	676.34	559.29	550.78	550.29	9
13	L	741.88	733.37	732.88	510.77	502.25	501.76	8
14	F	815.42	806.90	806.41	454.22	445.71	445.22	7
15	G	843.93	835.41	834.92	380.69	372.18	371.69	6
16	E	908.45	899.94	899.44	352.18	343.67	343.17	5
17	H	976.98	968.47	967.97	287.66	279.15	278.65	4
18	Y	1058.51	1050.00	1049.51	219.13	210.62	210.12	3
19	V	1108.04	1099.53	1099.04	137.60	129.08	128.59	2
20	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	I	38.70	33.03	32.70	-	-	-	20
2	H	84.39	78.71	78.38	759.37	753.70	753.37	19
3	N	122.40	116.73	116.40	713.69	708.01	707.68	18
4	Y	176.76	171.08	170.75	675.67	670.00	669.67	17
5	S	205.77	200.09	199.76	621.32	615.64	615.32	16
6	A	229.45	223.77	223.44	592.31	586.63	586.31	15
7	V	262.47	256.79	256.47	568.63	562.95	562.63	14
8	E	305.48	299.81	299.48	535.61	529.93	529.60	13
9	T	339.17	333.49	333.16	492.59	486.92	486.59	12
10	S	368.18	362.50	362.17	458.91	453.23	452.91	11
11	K*	424.88	419.20	418.88	429.90	424.22	423.90	10
12	P	457.23	451.55	451.23	373.20	367.52	367.19	9
13	L	494.92	489.25	488.92	340.85	335.17	334.84	8
14	F	543.95	538.27	537.94	303.15	297.48	297.15	7
15	G	562.95	557.28	556.95	254.13	248.45	248.13	6
16	E	605.97	600.29	599.97	235.12	229.45	229.12	5
17	H	651.65	645.98	645.65	192.11	186.43	186.10	4
18	Y	706.01	700.33	700.01	146.42	140.75	140.42	3
19	V	739.03	733.36	733.03	92.07	86.39	86.06	2
20	R	-	-	-	59.04	53.37	53.04	1

-

2055.10 K.IILHLK*EDQLEYLEEK.R
 psu|PF07_0029 | organism=Plasmodium_falciparum_3D7 | product=heat shock protein 86 |
 location=MAL7: 172 - 188
 #6938-6938 NL:5.83E1



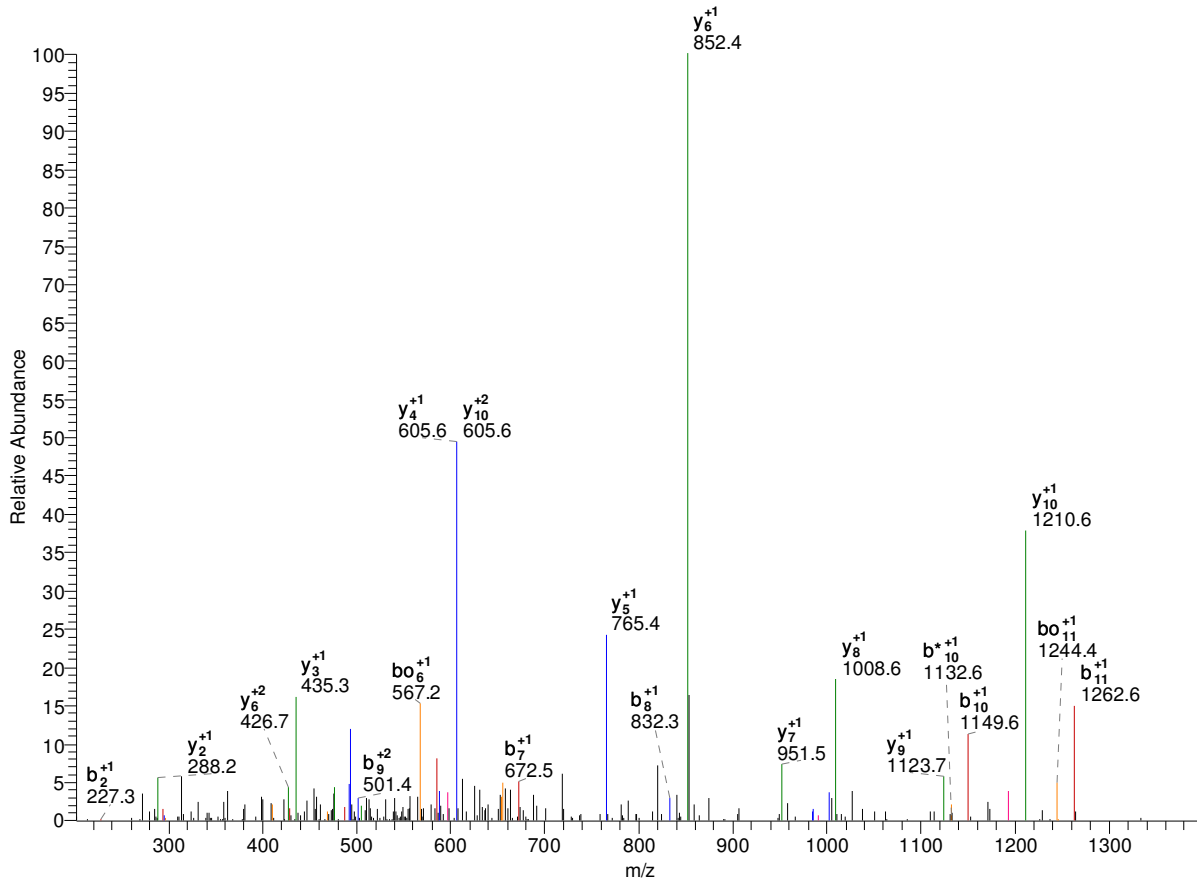
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	16
2	I	227.18	210.15	209.16	1942.02	1924.99	1924.01	15
3	L	340.26	323.23	322.25	1828.93	1811.91	1810.92	14
4	H	477.32	460.29	459.31	1715.85	1698.82	1697.84	13
5	L	590.40	573.38	572.39	1578.79	1561.76	1560.78	12
6	K*	760.51	743.48	742.50	1465.71	1448.68	1447.70	11
7	E	889.55	872.52	871.54	1295.60	1278.57	1277.59	10
8	D	1004.58	987.55	986.57	1166.56	1149.53	1148.55	9
9	Q	1132.64	1115.61	1114.63	1051.53	1034.50	1033.52	8
10	L	1245.72	1228.69	1227.71	923.47	906.45	905.46	7
11	E	1374.76	1357.74	1356.75	810.39	793.36	792.38	6
12	Y	1537.83	1520.80	1519.82	681.35	664.32	663.33	5
13	L	1650.91	1633.88	1632.90	518.28	501.26	500.27	4
14	E	1779.95	1762.93	1761.94	405.20	388.17	387.19	3
15	E	1909.00	1891.97	1890.98	276.16	259.13	258.14	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	16
2	I	114.09	105.58	105.09	971.51	963.00	962.51	15
3	L	170.63	162.12	161.63	914.97	906.46	905.96	14

4	H	239.16	230.65	230.16	858.43	849.91	849.42	13
5	L	295.70	287.19	286.70	789.90	781.39	780.89	12
6	K*	380.76	372.24	371.75	733.36	724.84	724.35	11
7	E	445.28	436.77	436.27	648.30	639.79	639.30	10
8	D	502.79	494.28	493.79	583.78	575.27	574.78	9
9	Q	566.82	558.31	557.82	526.27	517.76	517.26	8
10	L	623.36	614.85	614.36	462.24	453.73	453.23	7
11	E	687.89	679.37	678.88	405.70	397.18	396.69	6
12	Y	769.42	760.90	760.41	341.18	332.66	332.17	5
13	L	825.96	817.45	816.95	259.64	251.13	250.64	4
14	E	890.48	881.97	881.47	203.10	194.59	194.10	3
15	E	955.00	946.49	946.00	138.58	130.07	129.58	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1436.76 R.IISDGVSC@K*FIR.E
 psu|PF14_0141 | organism=Plasmodium_falciparum_3D7 | product=ribosomal protein L10,
 putative | loca 189 - 201
 #3721-3721 NL:2.40E2



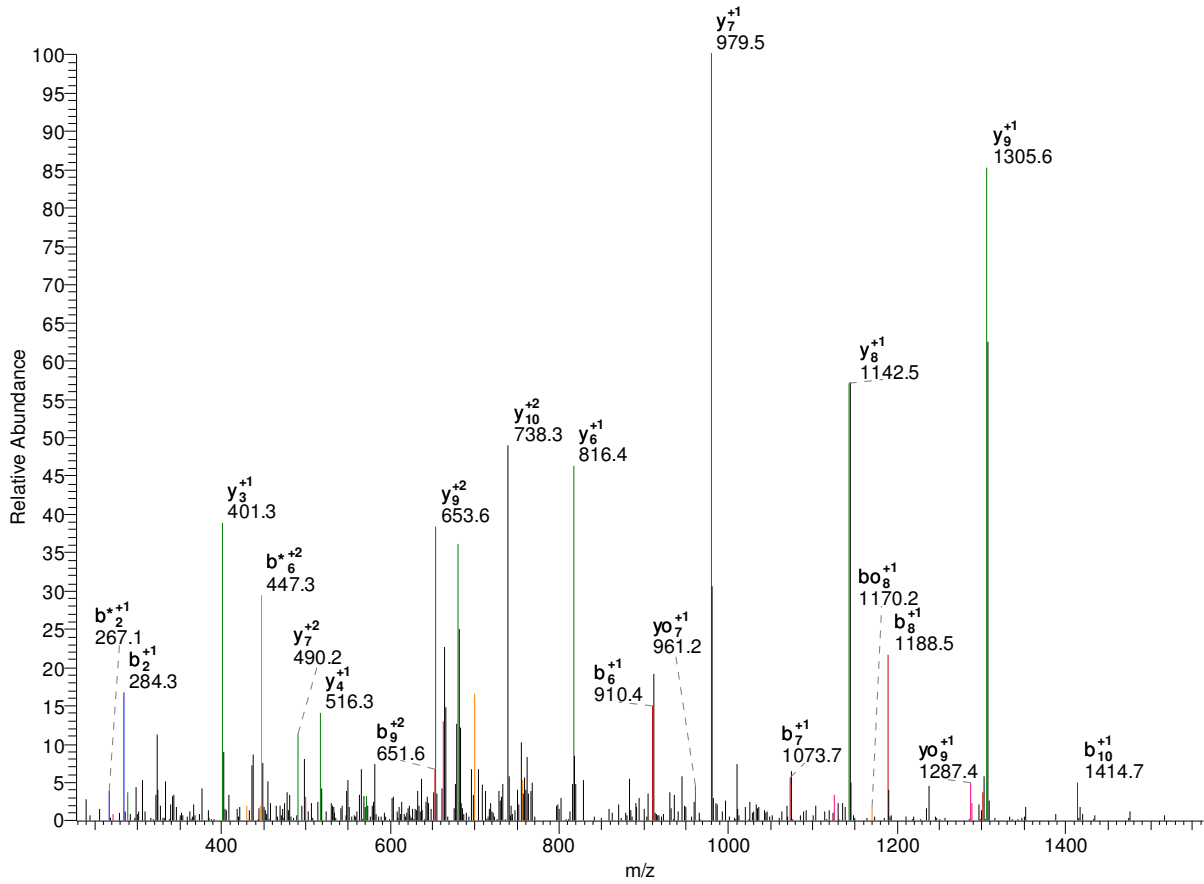
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	12
2	I	227.18	210.15	209.16	1323.67	1306.65	1305.66	11
3	S	314.21	297.18	296.20	1210.59	1193.56	1192.58	10
4	D	429.23	412.21	411.22	1123.56	1106.53	1105.55	9
5	G	486.26	469.23	468.25	1008.53	991.50	990.52	8
6	V	585.32	568.30	567.31	951.51	934.48	933.50	7
7	S	672.36	655.33	654.35	852.44	835.41	834.43	6
8	C@	832.39	815.36	814.38	765.41	748.38	747.40	5
9	K*	1002.49	985.47	984.48	605.38	588.35	587.37	4
10	F	1149.56	1132.53	1131.55	435.27	418.24	417.26	3
11	I	1262.64	1245.62	1244.63	288.20	271.18	270.19	2
12	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	12
2	I	114.09	105.58	105.09	662.34	653.83	653.33	11
3	S	157.61	149.09	148.60	605.80	597.28	596.79	10
4	D	215.12	206.61	206.12	562.28	553.77	553.28	9
5	G	243.63	235.12	234.63	504.77	496.26	495.76	8
6	V	293.17	284.65	284.16	476.26	467.74	467.25	7
7	S	336.68	328.17	327.68	426.72	418.21	417.72	6

8	C@	416.70	408.18	407.69	383.21	374.69	374.20	5
9	K*	501.75	493.24	492.74	303.19	294.68	294.19	4
10	F	575.28	566.77	566.28	218.14	209.63	209.13	3
11	I	631.83	623.31	622.82	144.61	136.09	135.60	2
12	R	-	-	-	88.06	79.55	79.06	1

-

1588.82 K.IK*YYYHYDLLR.K
 psu|PF07_0073 | organism=Plasmodium_falciparum_3D7 | product=seryl-tRNA synthetase,
 putative | loca 174 - 185
 #5228-5228 NL:2.74E2



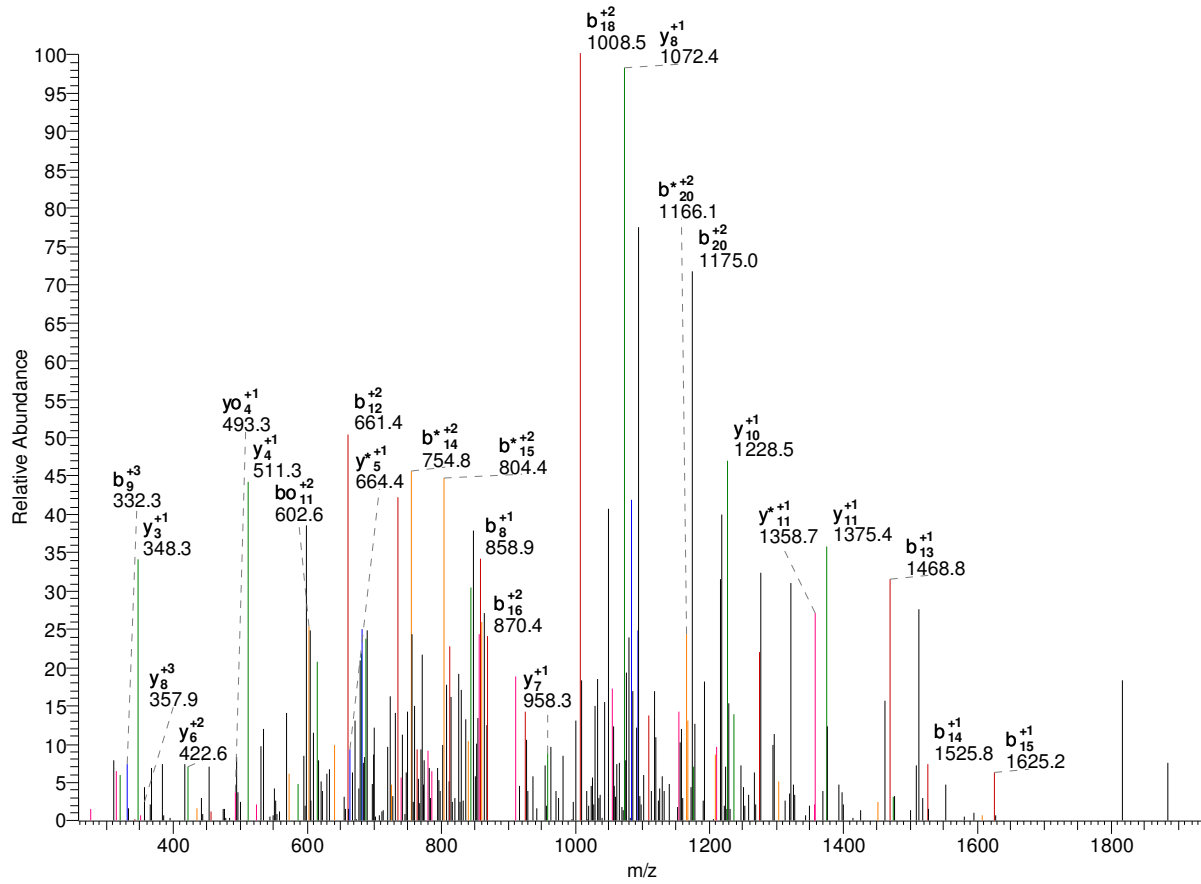
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	11
2	K*	284.20	267.17	266.19	1475.73	1458.71	1457.72	10
3	Y	447.26	430.23	429.25	1305.63	1288.60	1287.62	9
4	Y	610.32	593.30	592.31	1142.56	1125.54	1124.55	8
5	Y	773.39	756.36	755.38	979.50	962.47	961.49	7
6	H	910.45	893.42	892.44	816.44	799.41	798.43	6
7	Y	1073.51	1056.48	1055.50	679.38	662.35	661.37	5
8	D	1188.54	1171.51	1170.53	516.31	499.29	498.30	4
9	L	1301.62	1284.59	1283.61	401.29	384.26	383.28	3
10	L	1414.70	1397.68	1396.69	288.20	271.18	270.19	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	11
2	K*	142.60	134.09	133.60	738.37	729.86	729.36	10
3	Y	224.13	215.62	215.13	653.32	644.80	644.31	9
4	Y	305.67	297.15	296.66	571.79	563.27	562.78	8
5	Y	387.20	378.68	378.19	490.25	481.74	481.25	7
6	H	455.73	447.21	446.72	408.72	400.21	399.72	6
7	Y	537.26	528.74	528.25	340.19	331.68	331.19	5
8	D	594.77	586.26	585.77	258.66	250.15	249.66	4

9	L	651.31	642.80	642.31	201.15	192.63	192.14	3
10	L	707.86	699.34	698.85	144.61	136.09	135.60	2
11	R	-	-	-	88.06	79.55	79.06	1

-

2696.33 K.ILDDNSIHNHLVFGVNNYK*YSNK.I
 psu|PFF1485w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 213 - 236
 #6699-6699 NL: 4.39E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	23
2	L	227.18	210.15	209.16	2583.25	2566.22	2565.24	22
3	D	342.20	325.18	324.19	2470.16	2453.14	2452.15	21
4	D	457.23	440.20	439.22	2355.14	2338.11	2337.13	20
5	S	544.26	527.23	526.25	2240.11	2223.08	2222.10	19
6	N	658.30	641.28	640.29	2153.08	2136.05	2135.07	18
7	S	745.34	728.31	727.33	2039.03	2022.01	2021.02	17
8	I	858.42	841.39	840.41	1952.00	1934.98	1933.99	16
9	H	995.48	978.45	977.47	1838.92	1821.89	1820.91	15
10	N	1109.52	1092.50	1091.51	1701.86	1684.83	1683.85	14
11	L	1222.61	1205.58	1204.60	1587.82	1570.79	1569.81	13
12	V	1321.67	1304.65	1303.66	1474.73	1457.71	1456.72	12
13	F	1468.74	1451.72	1450.73	1375.66	1358.64	1357.65	11
14	G	1525.76	1508.74	1507.75	1228.60	1211.57	1210.59	10
15	V	1624.83	1607.81	1606.82	1171.57	1154.55	1153.56	9
16	N	1738.88	1721.85	1720.87	1072.51	1055.48	1054.50	8
17	N	1852.92	1835.89	1834.91	958.46	941.44	940.45	7
18	Y	2015.98	1998.96	1997.97	844.42	827.39	826.41	6
19	K*	2186.09	2169.06	2168.08	681.36	664.33	663.35	5
20	Y	2349.15	2332.12	2331.14	511.25	494.22	493.24	4
21	S	2436.18	2419.16	2418.17	348.19	331.16	330.18	3
22	N	2550.23	2533.20	2532.22	261.16	244.13	243.15	2

23	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

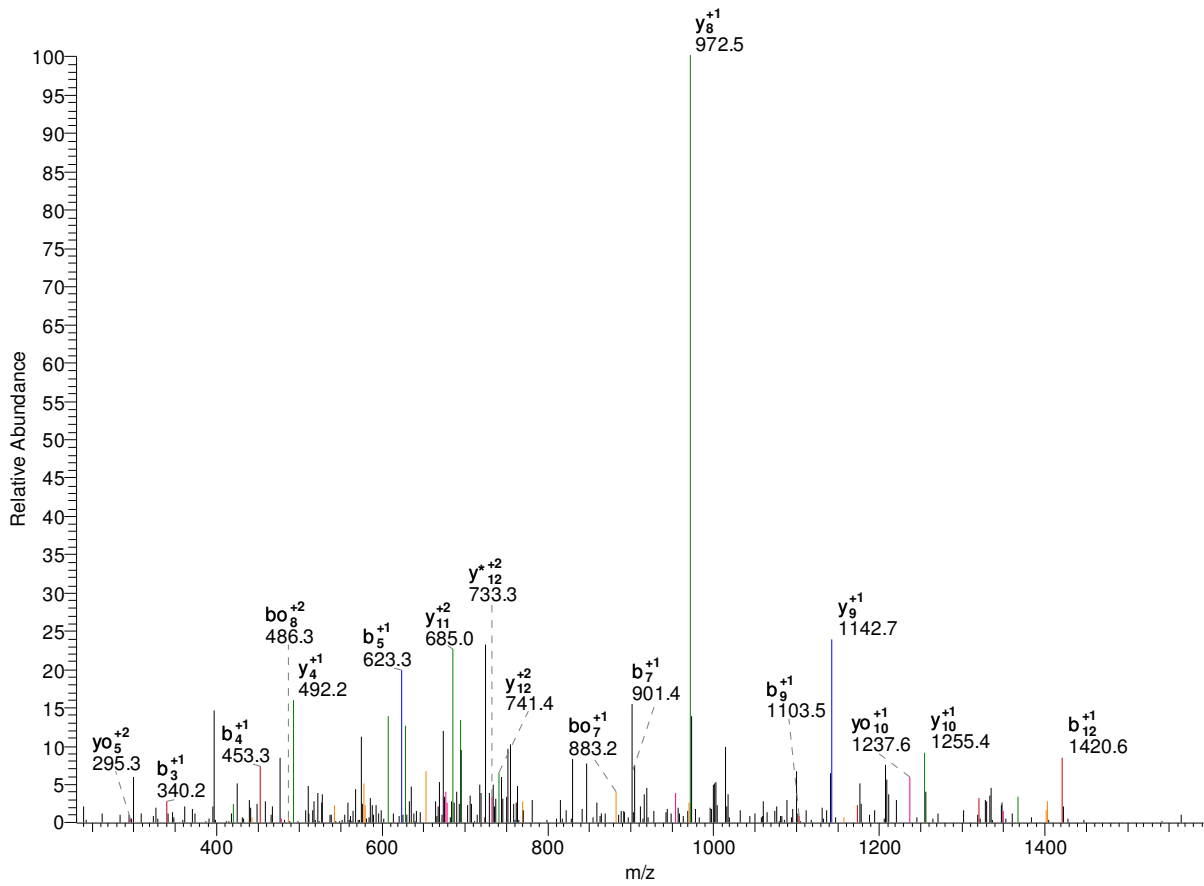
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	23
2	L	114.09	105.58	105.09	1292.13	1283.61	1283.12	22
3	D	171.60	163.09	162.60	1235.59	1227.07	1226.58	21
4	D	229.12	220.61	220.11	1178.07	1169.56	1169.07	20
5	S	272.63	264.12	263.63	1120.56	1112.05	1111.55	19
6	N	329.66	321.14	320.65	1077.04	1068.53	1068.04	18
7	S	373.17	364.66	364.17	1020.02	1011.51	1011.02	17
8	I	429.71	421.20	420.71	976.50	967.99	967.50	16
9	H	498.24	489.73	489.24	919.96	911.45	910.96	15
10	N	555.26	546.75	546.26	851.43	842.92	842.43	14
11	L	611.81	603.29	602.80	794.41	785.90	785.41	13
12	V	661.34	652.83	652.34	737.87	729.36	728.86	12
13	F	734.88	726.36	725.87	688.34	679.82	679.33	11
14	G	763.39	754.87	754.38	614.80	606.29	605.80	10
15	V	812.92	804.41	803.91	586.29	577.78	577.29	9
16	N	869.94	861.43	860.94	536.76	528.24	527.75	8
17	N	926.96	918.45	917.96	479.74	471.22	470.73	7
18	Y	1008.49	999.98	999.49	422.71	414.20	413.71	6
19	K*	1093.55	1085.03	1084.54	341.18	332.67	332.18	5
20	Y	1175.08	1166.57	1166.07	256.13	247.62	247.12	4
21	S	1218.60	1210.08	1209.59	174.60	166.08	165.59	3
22	N	1275.62	1267.10	1266.61	131.08	122.57	122.08	2
23	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	I	38.70	33.03	32.70	-	-	-	23
2	L	76.40	70.72	70.39	861.75	856.08	855.75	22
3	D	114.74	109.06	108.74	824.06	818.38	818.06	21
4	D	153.08	147.41	147.08	785.72	780.04	779.71	20
5	S	182.09	176.42	176.09	747.37	741.70	741.37	19
6	N	220.11	214.43	214.10	718.36	712.69	712.36	18
7	S	249.12	243.44	243.11	680.35	674.67	674.35	17
8	I	286.81	281.14	280.81	651.34	645.66	645.34	16
9	H	332.50	326.82	326.49	613.64	607.97	607.64	15
10	N	370.51	364.84	364.51	567.96	562.28	561.95	14
11	L	408.21	402.53	402.20	529.94	524.27	523.94	13
12	V	441.23	435.55	435.23	492.25	486.57	486.25	12
13	F	490.25	484.58	484.25	459.23	453.55	453.22	11
14	G	509.26	503.58	503.26	410.20	404.53	404.20	10
15	V	542.28	536.61	536.28	391.20	385.52	385.19	9
16	N	580.30	574.62	574.29	358.17	352.50	352.17	8
17	N	618.31	612.64	612.31	320.16	314.48	314.16	7
18	Y	672.67	666.99	666.66	282.14	276.47	276.14	6
19	K*	729.37	723.69	723.36	227.79	222.11	221.79	5
20	Y	783.72	778.05	777.72	171.09	165.41	165.09	4
21	S	812.73	807.06	806.73	116.73	111.06	110.73	3
22	N	850.75	845.07	844.74	87.72	82.05	81.72	2
23	K	-	-	-	49.71	44.03	43.71	1

-

1594.88 R.ILLK*YDSDAFVR.Y
 psu|MAL13P1.56 | organism=Plasmodium_falciparum_3D7 | product=m1-family aminopeptidase
 | location=M 751 - 764
 #6519-6519 NL: 1.33E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	13
2	L	227.18	210.15	209.16	1481.80	1464.77	1463.79	12
3	L	340.26	323.23	322.25	1368.72	1351.69	1350.71	11
4	L	453.34	436.32	435.33	1255.63	1238.61	1237.62	10
5	K*	623.45	606.42	605.44	1142.55	1125.52	1124.54	9
6	Y	786.51	769.49	768.50	972.44	955.42	954.43	8
7	D	901.54	884.51	883.53	809.38	792.35	791.37	7
8	S	988.57	971.54	970.56	694.35	677.33	676.34	6
9	D	1103.60	1086.57	1085.59	607.32	590.29	589.31	5
10	A	1174.64	1157.61	1156.62	492.29	475.27	474.28	4
11	F	1321.70	1304.68	1303.69	421.26	404.23	403.25	3
12	V	1420.77	1403.75	1402.76	274.19	257.16	256.18	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	13
2	L	114.09	105.58	105.09	741.40	732.89	732.40	12
3	L	170.63	162.12	161.63	684.86	676.35	675.86	11
4	L	227.18	218.66	218.17	628.32	619.81	619.31	10
5	K*	312.23	303.71	303.22	571.78	563.26	562.77	9
6	Y	393.76	385.25	384.75	486.72	478.21	477.72	8

7	D	451.27	442.76	442.27	405.19	396.68	396.19	7
8	S	494.79	486.28	485.78	347.68	339.17	338.67	6
9	D	552.30	543.79	543.30	304.16	295.65	295.16	5
10	A	587.82	579.31	578.82	246.65	238.14	237.64	4
11	F	661.36	652.84	652.35	211.13	202.62	202.13	3
12	V	710.89	702.38	701.88	137.60	129.08	128.59	2
13	R	-	-	-	88.06	79.55	79.06	1

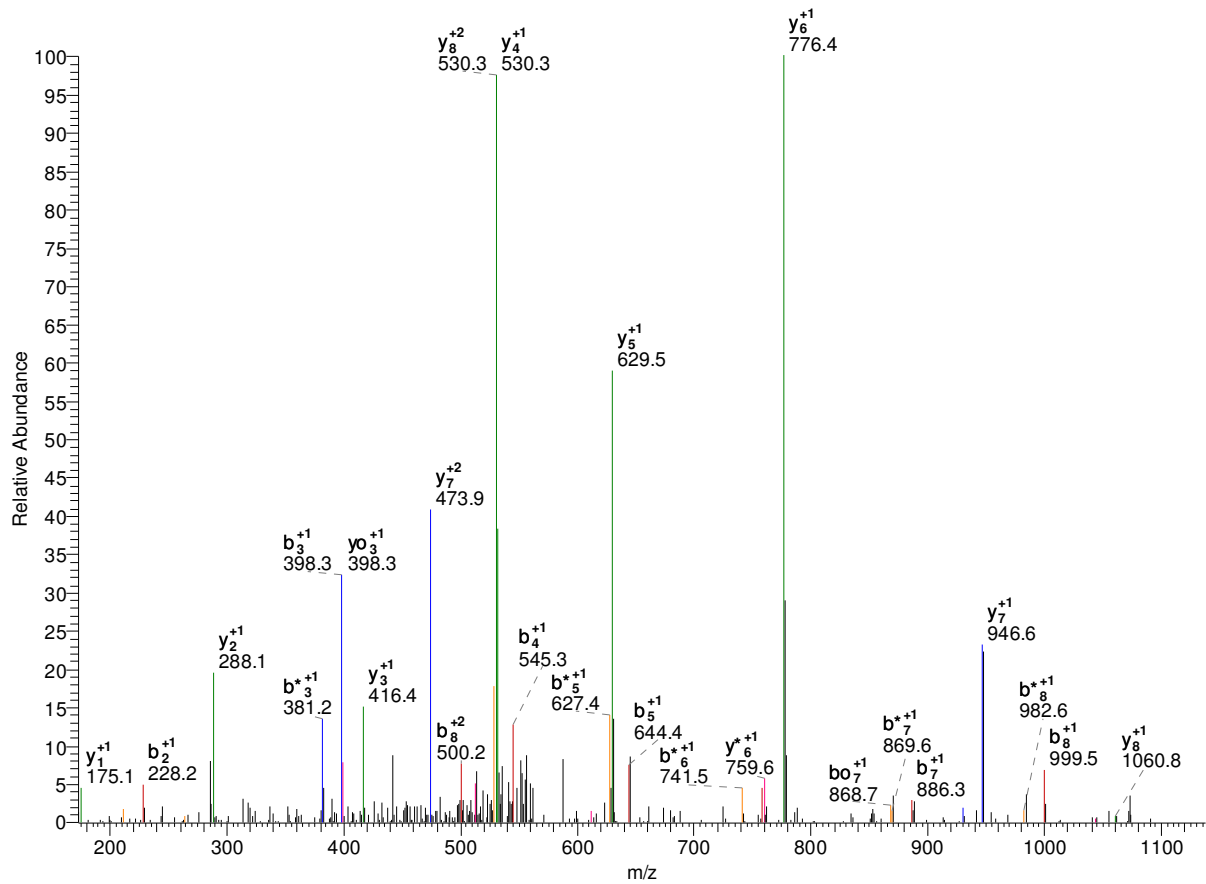
-

1173.67 R.INK*FVNQLR.I

psu|PFF1155w | organism=Plasmodium_falciparum_3D7 | product=hexokinase |

location=MAL6:981067-98254 32 - 41

#2685-2685 NL: 2.79E2



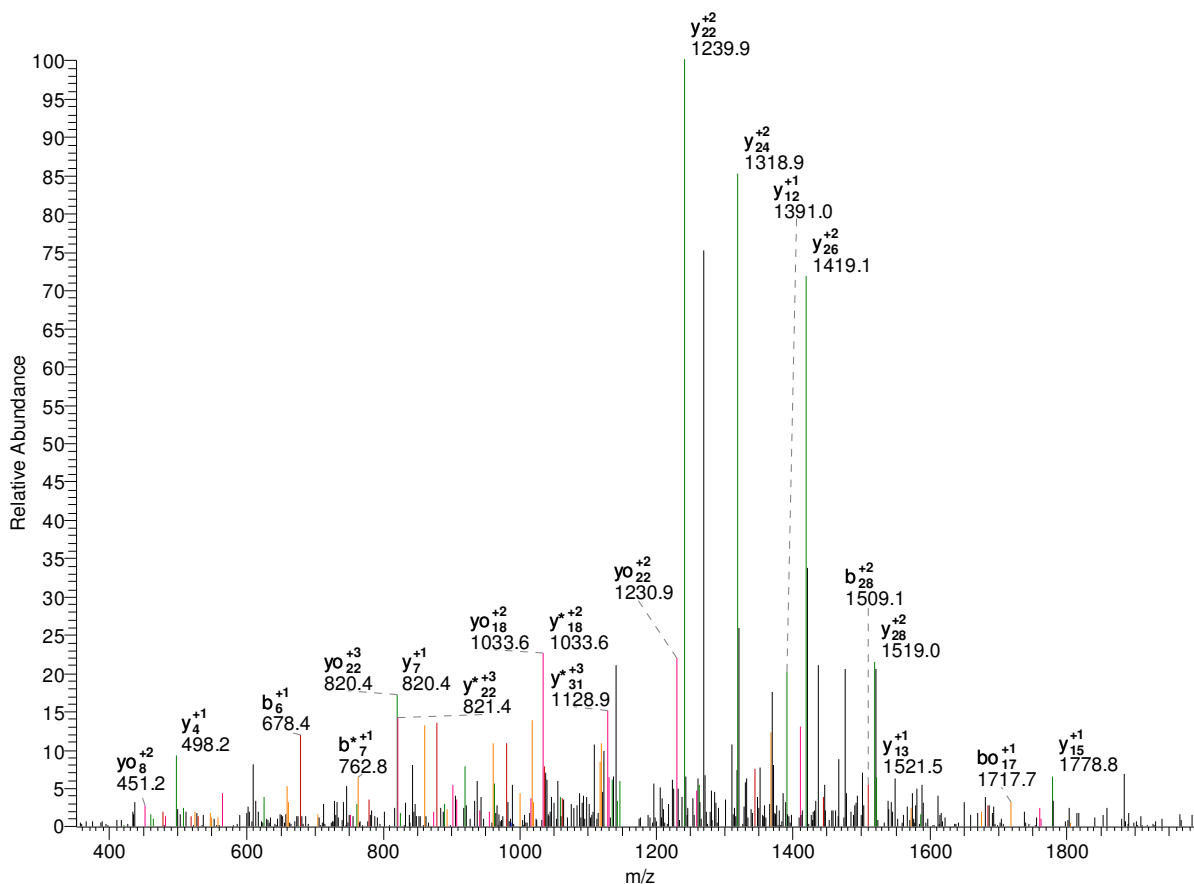
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	9
2	N	228.13	211.11	210.12	1060.59	1043.56	1042.58	8
3	K*	398.24	381.21	380.23	946.55	929.52	928.54	7
4	F	545.31	528.28	527.30	776.44	759.41	758.43	6
5	V	644.38	627.35	626.37	629.37	612.35	611.36	5
6	N	758.42	741.39	740.41	530.30	513.28	512.29	4
7	Q	886.48	869.45	868.47	416.26	399.24	398.25	3
8	L	999.56	982.54	981.55	288.20	271.18	270.19	2
9	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	9
2	N	114.57	106.06	105.57	530.80	522.29	521.79	8
3	K*	199.62	191.11	190.62	473.78	465.26	464.77	7
4	F	273.16	264.64	264.15	388.72	380.21	379.72	6
5	V	322.69	314.18	313.69	315.19	306.68	306.18	5
6	N	379.71	371.20	370.71	265.66	257.14	256.65	4
7	Q	443.74	435.23	434.74	208.63	200.12	199.63	3
8	L	500.28	491.77	491.28	144.61	136.09	135.60	2
9	R	-	-	-	88.06	79.55	79.06	1

-

3513.78 K.INLHSITVTGPPLSGTFSK*MEDINVGHQGFFK.Q
 psu|PF08_0091 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 340 - 372
 #9622-9622 NL: 1.94E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	32
2	N	228.13	211.11	210.12	3400.70	3383.67	3382.69	31
3	L	341.22	324.19	323.21	3286.66	3269.63	3268.65	30
4	H	478.28	461.25	460.27	3173.57	3156.55	3155.56	29
5	S	565.31	548.28	547.30	3036.51	3019.49	3018.50	28
6	I	678.39	661.37	660.38	2949.48	2932.45	2931.47	27
7	T	779.44	762.41	761.43	2836.40	2819.37	2818.39	26
8	V	878.51	861.48	860.50	2735.35	2718.32	2717.34	25
9	T	979.56	962.53	961.55	2636.28	2619.25	2618.27	24
10	G	1036.58	1019.55	1018.57	2535.23	2518.21	2517.22	23
11	P	1133.63	1116.60	1115.62	2478.21	2461.19	2460.20	22
12	P	1230.68	1213.66	1212.67	2381.16	2364.13	2363.15	21
13	L	1343.77	1326.74	1325.76	2284.11	2267.08	2266.10	20
14	S	1430.80	1413.77	1412.79	2171.02	2154.00	2153.01	19
15	G	1487.82	1470.80	1469.81	2083.99	2066.96	2065.98	18
16	T	1588.87	1571.84	1570.86	2026.97	2009.94	2008.96	17
17	F	1735.94	1718.91	1717.93	1925.92	1908.89	1907.91	16
18	S	1822.97	1805.94	1804.96	1778.85	1761.83	1760.84	15
19	K*	1993.08	1976.05	1975.06	1691.82	1674.79	1673.81	14
20	M	2124.12	2107.09	2106.11	1521.72	1504.69	1503.70	13
21	E	2253.16	2236.13	2235.15	1390.67	1373.65	1372.66	12
22	D	2368.19	2351.16	2350.17	1261.63	1244.61	1243.62	11

23	I	2481.27	2464.24	2463.26	1146.61	1129.58	1128.59	10
24	N	2595.31	2578.29	2577.30	1033.52	1016.49	1015.51	9
25	V	2694.38	2677.35	2676.37	919.48	902.45	901.47	8
26	G	2751.40	2734.38	2733.39	820.41	803.38	802.40	7
27	H	2888.46	2871.43	2870.45	763.39	746.36	745.38	6
28	Q	3016.52	2999.49	2998.51	626.33	609.30	608.32	5
29	G	3073.54	3056.51	3055.53	498.27	481.24	480.26	4
30	F	3220.61	3203.58	3202.60	441.25	424.22	423.24	3
31	F	3367.68	3350.65	3349.67	294.18	277.15	276.17	2
32	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	32
2	N	114.57	106.06	105.57	1700.85	1692.34	1691.85	31
3	L	171.11	162.60	162.11	1643.83	1635.32	1634.83	30
4	H	239.64	231.13	230.64	1587.29	1578.78	1578.28	29
5	S	283.16	274.64	274.15	1518.76	1510.25	1509.76	28
6	I	339.70	331.19	330.70	1475.24	1466.73	1466.24	27
7	T	390.22	381.71	381.22	1418.70	1410.19	1409.70	26
8	V	439.76	431.25	430.75	1368.18	1359.67	1359.17	25
9	T	490.28	481.77	481.28	1318.64	1310.13	1309.64	24
10	G	518.79	510.28	509.79	1268.12	1259.61	1259.12	23
11	P	567.32	558.81	558.31	1239.61	1231.10	1230.60	22
12	P	615.85	607.33	606.84	1191.08	1182.57	1182.08	21
13	L	672.39	663.87	663.38	1142.56	1134.04	1133.55	20
14	S	715.90	707.39	706.90	1086.01	1077.50	1077.01	19
15	G	744.41	735.90	735.41	1042.50	1033.99	1033.49	18
16	T	794.94	786.43	785.93	1013.99	1005.47	1004.98	17
17	F	868.47	859.96	859.47	963.46	954.95	954.46	16
18	S	911.99	903.48	902.98	889.93	881.42	880.92	15
19	K*	997.04	988.53	988.04	846.41	837.90	837.41	14
20	M	1062.56	1054.05	1053.56	761.36	752.85	752.36	13
21	E	1127.08	1118.57	1118.08	695.84	687.33	686.84	12
22	D	1184.60	1176.08	1175.59	631.32	622.81	622.31	11
23	I	1241.14	1232.63	1232.13	573.81	565.29	564.80	10
24	N	1298.16	1289.65	1289.15	517.26	508.75	508.26	9
25	V	1347.69	1339.18	1338.69	460.24	451.73	451.24	8
26	G	1376.20	1367.69	1367.20	410.71	402.20	401.70	7
27	H	1444.73	1436.22	1435.73	382.20	373.68	373.19	6
28	Q	1508.76	1500.25	1499.76	313.67	305.16	304.66	5
29	G	1537.27	1528.76	1528.27	249.64	241.13	240.63	4
30	F	1610.81	1602.30	1601.80	221.13	212.62	212.12	3
31	F	1684.34	1675.83	1675.34	147.59	139.08	138.59	2
32	K	-	-	-	74.06	65.55	65.05	1

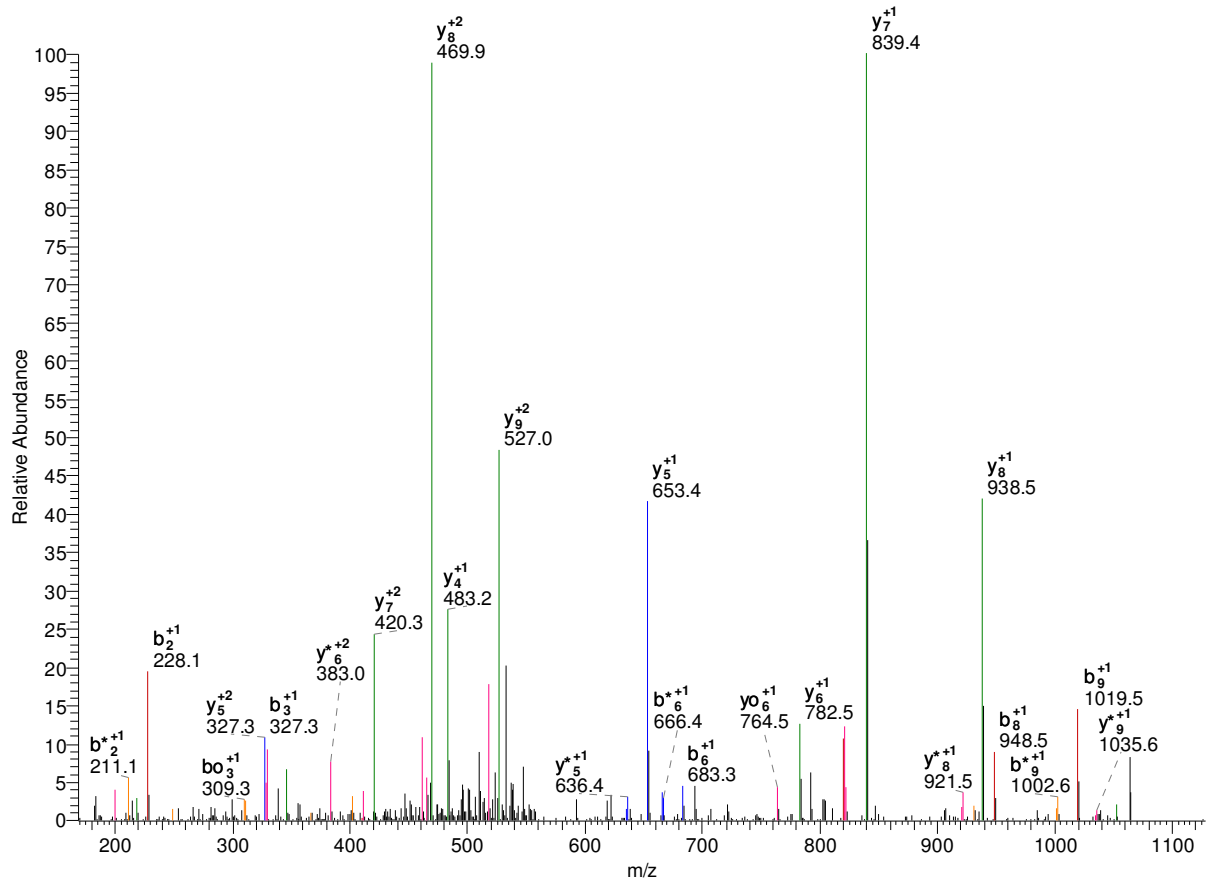
-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	I	38.70	33.03	32.70	-	-	-	32
2	N	76.72	71.04	70.71	1134.24	1128.56	1128.23	31
3	L	114.41	108.74	108.41	1096.22	1090.55	1090.22	30
4	H	160.10	154.42	154.09	1058.53	1052.85	1052.53	29
5	S	189.11	183.43	183.10	1012.84	1007.17	1006.84	28
6	I	226.80	221.13	220.80	983.83	978.16	977.83	27
7	T	260.49	254.81	254.48	946.14	940.46	940.13	26
8	V	293.51	287.83	287.50	912.45	906.78	906.45	25
9	T	327.19	321.52	321.19	879.43	873.76	873.43	24
10	G	346.20	340.52	340.19	845.75	840.07	839.75	23
11	P	378.55	372.87	372.55	826.74	821.07	820.74	22
12	P	410.90	405.22	404.90	794.39	788.72	788.39	21

13	L	448.59	442.92	442.59	762.04	756.36	756.04	20
14	S	477.60	471.93	471.60	724.35	718.67	718.34	19
15	G	496.61	490.94	490.61	695.34	689.66	689.33	18
16	T	530.29	524.62	524.29	676.33	670.65	670.32	17
17	F	579.32	573.64	573.31	642.65	636.97	636.64	16
18	S	608.33	602.65	602.32	593.62	587.95	587.62	15
19	K*	665.03	659.35	659.03	564.61	558.94	558.61	14
20	M	708.71	703.03	702.71	507.91	502.23	501.91	13
21	E	751.72	746.05	745.72	464.23	458.55	458.23	12
22	D	790.07	784.39	784.06	421.22	415.54	415.21	11
23	I	827.76	822.09	821.76	382.87	377.20	376.87	10
24	N	865.78	860.10	859.77	345.18	339.50	339.18	9
25	V	898.80	893.12	892.79	307.16	301.49	301.16	8
26	G	917.81	912.13	911.80	274.14	268.47	268.14	7
27	H	963.49	957.82	957.49	255.13	249.46	249.13	6
28	Q	1006.18	1000.50	1000.17	209.45	203.77	203.44	5
29	G	1025.19	1019.51	1019.18	166.76	161.09	160.76	4
30	F	1074.21	1068.53	1068.20	147.75	142.08	141.75	3
31	F	1123.23	1117.56	1117.23	98.73	93.06	92.73	2
32	K	-	-	-	49.71	44.03	43.71	1

-

1165.63 K.INVGEK*HQAK.I
 psu|PFA0420w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 13 - 23
 #283-283 NL: 8.90E2



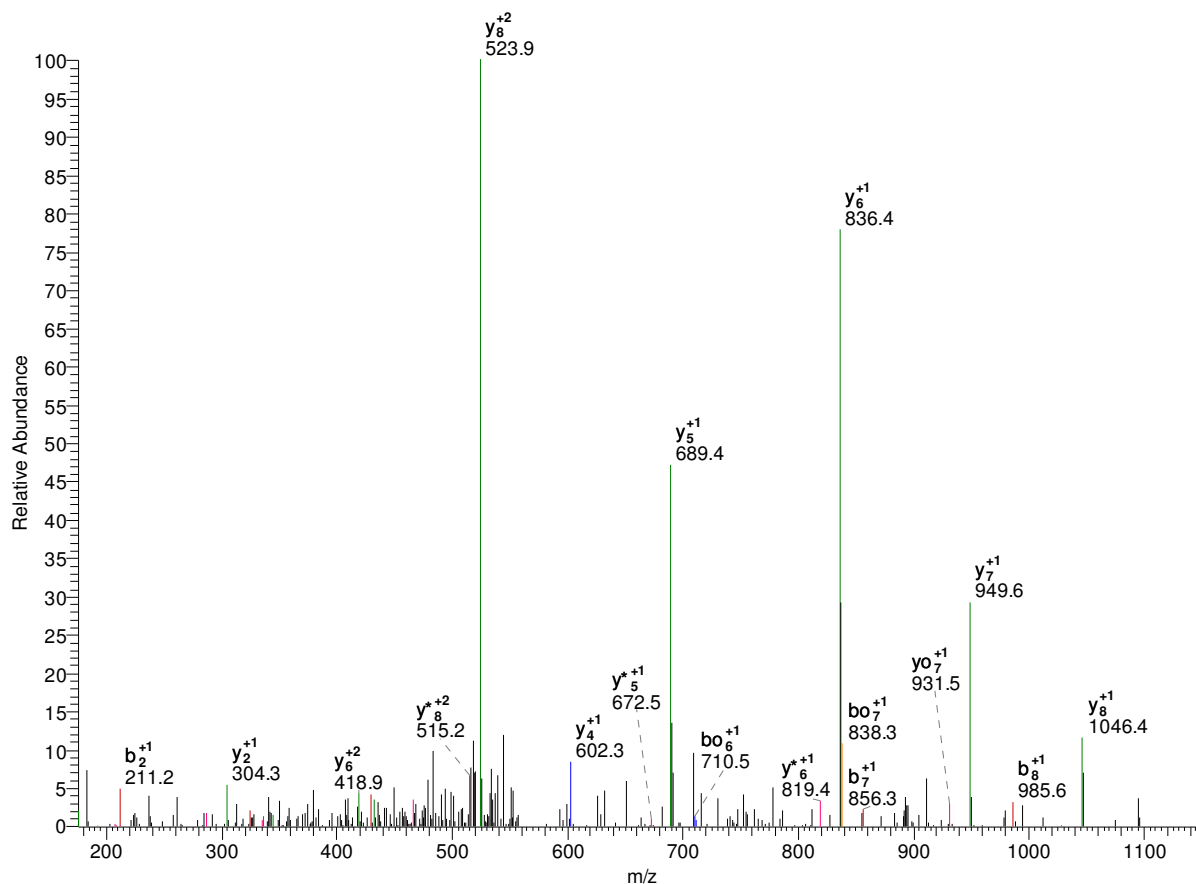
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	10
2	N	228.13	211.11	210.12	1052.55	1035.52	1034.54	9
3	V	327.20	310.18	309.19	938.51	921.48	920.49	8
4	G	384.22	367.20	366.21	839.44	822.41	821.43	7
5	E	513.27	496.24	495.26	782.42	765.39	764.40	6
6	K*	683.37	666.35	665.36	653.37	636.35	635.36	5
7	H	820.43	803.40	802.42	483.27	466.24	465.26	4
8	Q	948.49	931.46	930.48	346.21	329.18	328.20	3
9	A	1019.53	1002.50	1001.52	218.15	201.12	200.14	2
10	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	10
2	N	114.57	106.06	105.57	526.78	518.26	517.77	9
3	V	164.10	155.59	155.10	469.76	461.24	460.75	8
4	G	192.62	184.10	183.61	420.22	411.71	411.22	7
5	E	257.14	248.62	248.13	391.71	383.20	382.71	6
6	K*	342.19	333.68	333.18	327.19	318.68	318.18	5
7	H	410.72	402.21	401.71	242.14	233.62	233.13	4
8	Q	474.75	466.24	465.74	173.61	165.09	164.60	3
9	A	510.27	501.75	501.26	109.58	101.07	100.57	2

10	K	-	-	-	74.06	65.55	65.05	1
----	---	---	---	---	-------	-------	-------	---

-

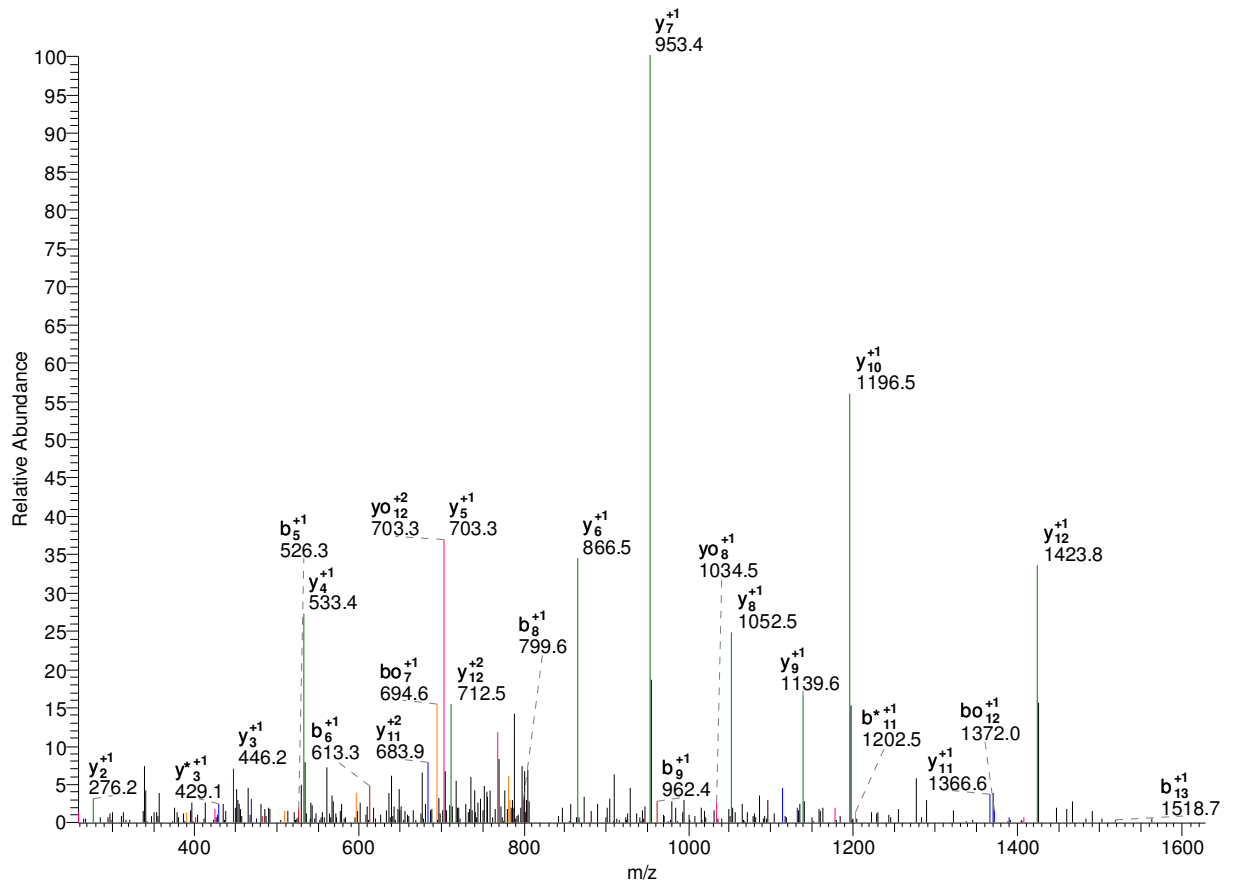
1159.65 R.IPIFSK*QER.E
 psu|PF14_0053 | organism=Plasmodium_falciparum_3D7 | product=ribonucleotide reductase
 small subunit9 - 18
 #2819-2819 NL: 1.81E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	9
2	P	211.14	194.12	193.13	1046.56	1029.54	1028.55	8
3	I	324.23	307.20	306.22	949.51	932.48	931.50	7
4	F	471.30	454.27	453.29	836.43	819.40	818.42	6
5	S	558.33	541.30	540.32	689.36	672.33	671.35	5
6	K*	728.43	711.41	710.42	602.33	585.30	584.32	4
7	Q	856.49	839.47	838.48	432.22	415.19	414.21	3
8	E	985.54	968.51	967.52	304.16	287.13	286.15	2
9	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	9
2	P	106.08	97.56	97.07	523.79	515.27	514.78	8
3	I	162.62	154.10	153.61	475.26	466.75	466.25	7
4	F	236.15	227.64	227.15	418.72	410.20	409.71	6
5	S	279.67	271.15	270.66	345.18	336.67	336.18	5
6	K*	364.72	356.21	355.72	301.67	293.15	292.66	4
7	Q	428.75	420.24	419.74	216.61	208.10	207.61	3
8	E	493.27	484.76	484.27	152.58	144.07	143.58	2
9	R	-	-	-	88.06	79.55	79.06	1

1664.89 K.IQGK*GSVSYK*SK*EK.T
 psu|PF11_0192 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 141 - 155
 #1832-1832 NL:2.15E2



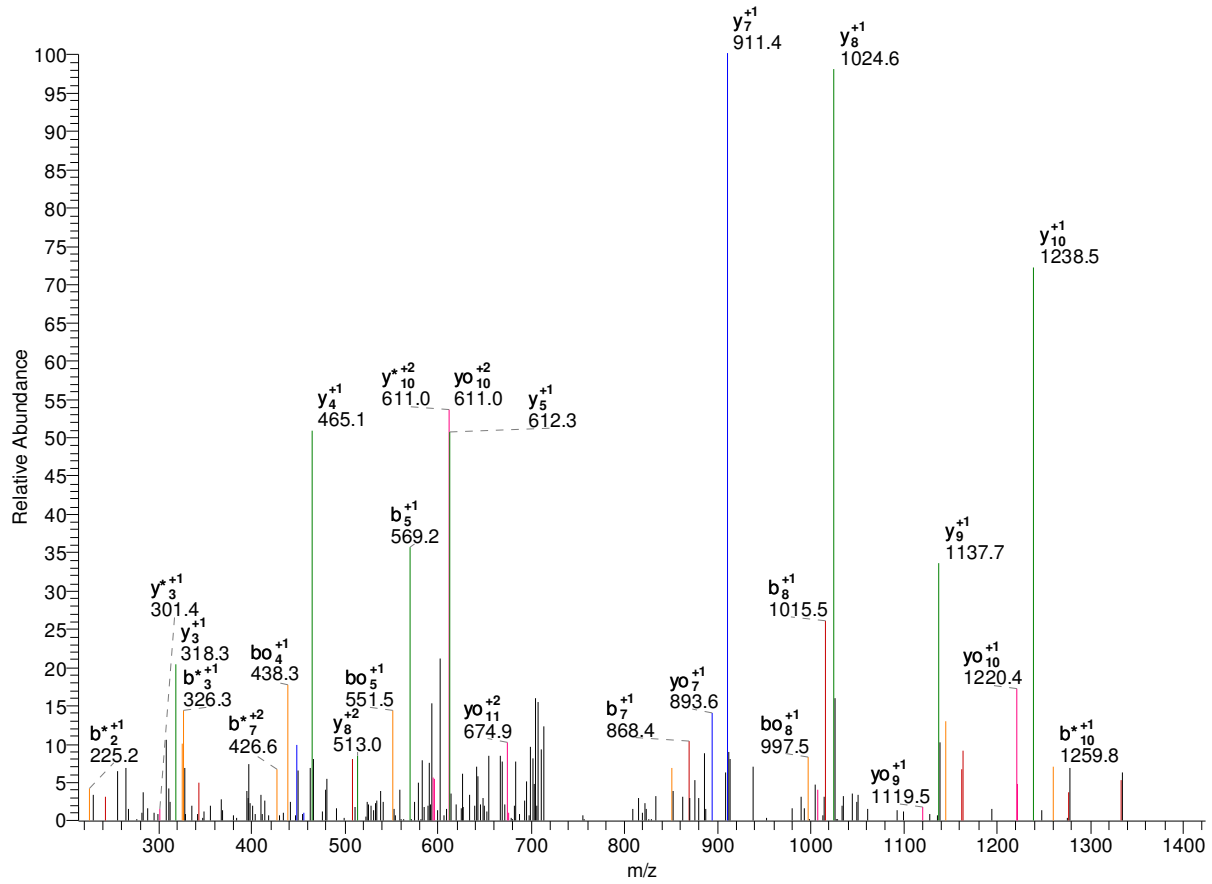
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	14
2	Q	242.15	225.12	224.14	1551.80	1534.77	1533.79	13
3	G	299.17	282.14	281.16	1423.74	1406.72	1405.73	12
4	K*	469.28	452.25	451.27	1366.72	1349.69	1348.71	11
5	G	526.30	509.27	508.29	1196.62	1179.59	1178.61	10
6	S	613.33	596.30	595.32	1139.59	1122.57	1121.58	9
7	V	712.40	695.37	694.39	1052.56	1035.54	1034.55	8
8	S	799.43	782.40	781.42	953.49	936.47	935.48	7
9	Y	962.49	945.47	944.48	866.46	849.44	848.45	6
10	K*	1132.60	1115.57	1114.59	703.40	686.37	685.39	5
11	S	1219.63	1202.61	1201.62	533.29	516.27	515.28	4
12	K*	1389.74	1372.71	1371.73	446.26	429.23	428.25	3
13	E	1518.78	1501.75	1500.77	276.16	259.13	258.14	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	14
2	Q	121.58	113.07	112.57	776.40	767.89	767.40	13
3	G	150.09	141.58	141.08	712.38	703.86	703.37	12
4	K*	235.14	226.63	226.14	683.86	675.35	674.86	11
5	G	263.65	255.14	254.65	598.81	590.30	589.81	10

6	S	307.17	298.66	298.16	570.30	561.79	561.30	9
7	V	356.70	348.19	347.70	526.78	518.27	517.78	8
8	S	400.22	391.71	391.21	477.25	468.74	468.25	7
9	Y	481.75	473.24	472.75	433.73	425.22	424.73	6
10	K*	566.80	558.29	557.80	352.20	343.69	343.20	5
11	S	610.32	601.81	601.31	267.15	258.64	258.14	4
12	K*	695.37	686.86	686.37	223.63	215.12	214.63	3
13	E	759.89	751.38	750.89	138.58	130.07	129.58	2
14	K	-	-	-	74.06	65.55	65.05	1

-

1479.82 K.IQTLIK*EFFNGK.E
 psu|PF08_0054 | organism=Plasmodium_falciparum_3D7 | product=heat shock 70 kDa protein
 | location=M 358 - 370
 #7088-7088 NL:9.07E1



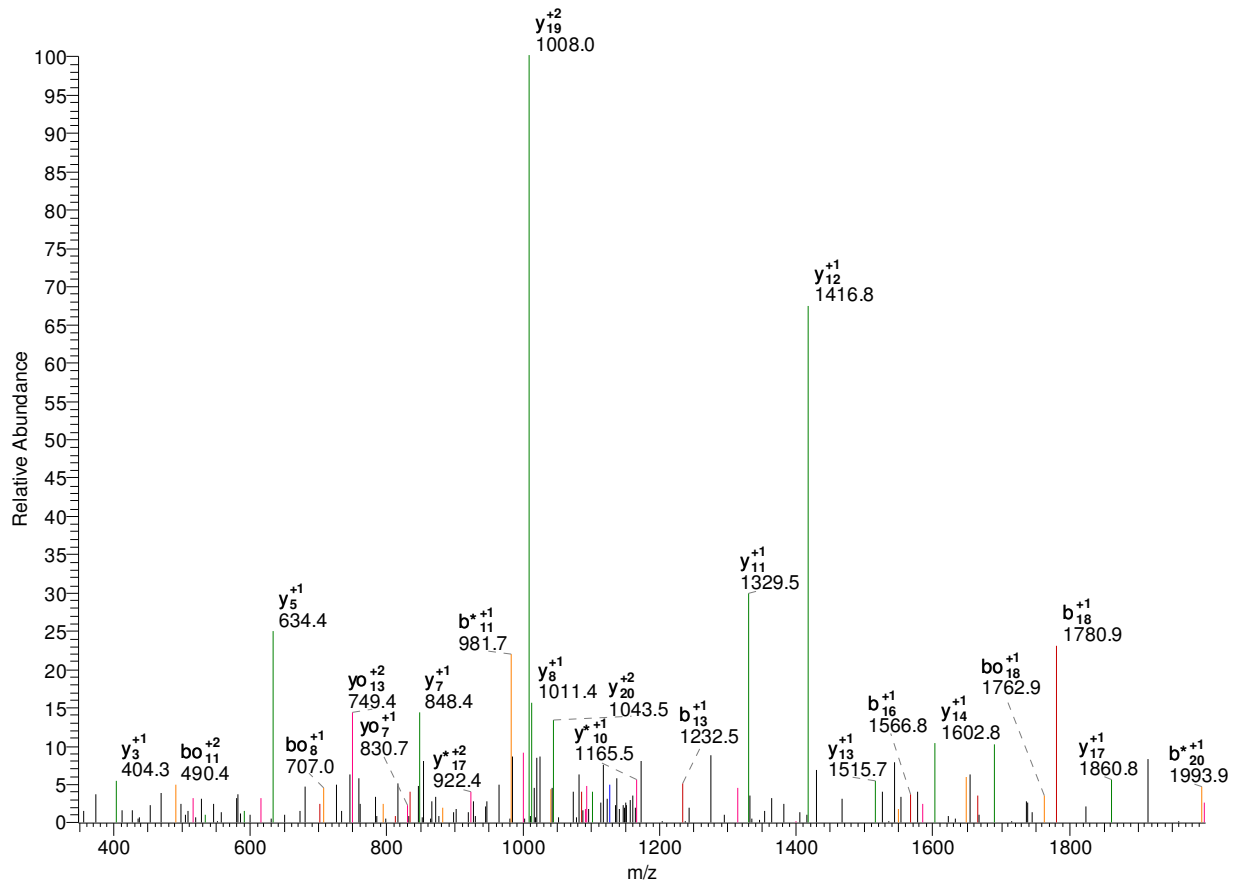
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	12
2	Q	242.15	225.12	224.14	1366.74	1349.71	1348.73	11
3	T	343.20	326.17	325.19	1238.68	1221.65	1220.67	10
4	L	456.28	439.26	438.27	1137.63	1120.60	1119.62	9
5	I	569.37	552.34	551.36	1024.55	1007.52	1006.54	8
6	K*	739.47	722.44	721.46	911.46	894.44	893.45	7
7	E	868.51	851.49	850.50	741.36	724.33	723.35	6
8	F	1015.58	998.56	997.57	612.31	595.29	594.30	5
9	F	1162.65	1145.62	1144.64	465.25	448.22	447.24	4
10	N	1276.69	1259.67	1258.68	318.18	301.15	300.17	3
11	G	1333.72	1316.69	1315.70	204.13	187.11	186.12	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	12
2	Q	121.58	113.07	112.57	683.87	675.36	674.87	11
3	T	172.10	163.59	163.10	619.84	611.33	610.84	10
4	L	228.64	220.13	219.64	569.32	560.81	560.31	9
5	I	285.19	276.67	276.18	512.78	504.26	503.77	8
6	K*	370.24	361.73	361.23	456.23	447.72	447.23	7
7	E	434.76	426.25	425.76	371.18	362.67	362.18	6

8	F	508.29	499.78	499.29	306.66	298.15	297.66	5
9	F	581.83	573.32	572.82	233.13	224.61	224.12	4
10	N	638.85	630.34	629.85	159.59	151.08	150.59	3
11	G	667.36	658.85	658.36	102.57	94.06	93.57	2
12	K	-	-	-	74.06	65.55	65.05	1

-

2414.15 R.ITNAPGGNSSVSGNYVDTESKK*.V
 psu|PFB0161c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 25 - 48
 #4618-4618 NL:7.71E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	23
2	T	215.14	198.11	197.13	2301.06	2284.04	2283.05	22
3	N	329.18	312.16	311.17	2200.02	2182.99	2182.00	21
4	A	400.22	383.19	382.21	2085.97	2068.95	2067.96	20
5	P	497.27	480.25	479.26	2014.94	1997.91	1996.92	19
6	G	554.29	537.27	536.28	1917.88	1900.86	1899.87	18
7	G	611.31	594.29	593.30	1860.86	1843.83	1842.85	17
8	N	725.36	708.33	707.35	1803.84	1786.81	1785.83	16
9	S	812.39	795.36	794.38	1689.80	1672.77	1671.79	15
10	S	899.42	882.40	881.41	1602.76	1585.74	1584.75	14
11	V	998.49	981.46	980.48	1515.73	1498.71	1497.72	13
12	S	1085.52	1068.50	1067.51	1416.66	1399.64	1398.65	12
13	F	1232.59	1215.56	1214.58	1329.63	1312.61	1311.62	11
14	G	1289.61	1272.59	1271.60	1182.56	1165.54	1164.55	10
15	N	1403.65	1386.63	1385.64	1125.54	1108.52	1107.53	9
16	Y	1566.72	1549.69	1548.71	1011.50	994.47	993.49	8
17	V	1665.79	1648.76	1647.78	848.44	831.41	830.43	7
18	D	1780.81	1763.79	1762.80	749.37	732.34	731.36	6
19	T	1881.86	1864.83	1863.85	634.34	617.31	616.33	5
20	E	2010.90	1993.88	1992.89	533.29	516.27	515.28	4
21	S	2097.94	2080.91	2079.93	404.25	387.22	386.24	3
22	K*	2268.04	2251.01	2250.03	317.22	300.19	299.21	2

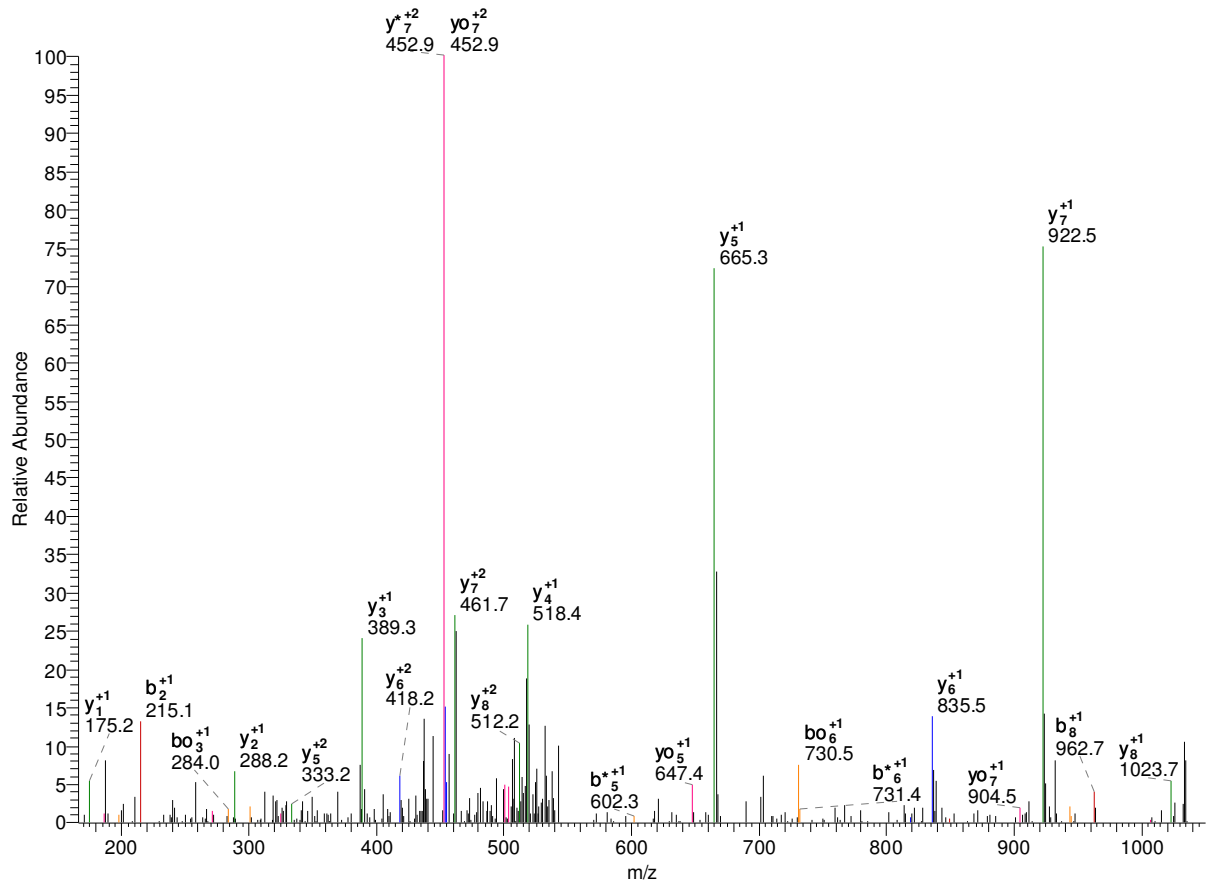
23	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	23
2	T	108.07	99.56	99.07	1151.04	1142.52	1142.03	22
3	N	165.09	156.58	156.09	1100.51	1092.00	1091.51	21
4	A	200.61	192.10	191.61	1043.49	1034.98	1034.48	20
5	P	249.14	240.63	240.13	1007.97	999.46	998.97	19
6	G	277.65	269.14	268.64	959.44	950.93	950.44	18
7	G	306.16	297.65	297.16	930.93	922.42	921.93	17
8	N	363.18	354.67	354.18	902.42	893.91	893.42	16
9	S	406.70	398.19	397.69	845.40	836.89	836.40	15
10	S	450.21	441.70	441.21	801.89	793.37	792.88	14
11	V	499.75	491.24	490.74	758.37	749.86	749.36	13
12	S	543.26	534.75	534.26	708.84	700.32	699.83	12
13	F	616.80	608.29	607.79	665.32	656.81	656.31	11
14	G	645.31	636.80	636.30	591.79	583.27	582.78	10
15	N	702.33	693.82	693.33	563.27	554.76	554.27	9
16	Y	783.86	775.35	774.86	506.25	497.74	497.25	8
17	V	833.40	824.88	824.39	424.72	416.21	415.72	7
18	D	890.91	882.40	881.91	375.19	366.67	366.18	6
19	T	941.43	932.92	932.43	317.67	309.16	308.67	5
20	E	1005.96	997.44	996.95	267.15	258.64	258.14	4
21	S	1049.47	1040.96	1040.47	202.63	194.12	193.62	3
22	K*	1134.52	1126.01	1125.52	159.11	150.60	150.11	2
23	K	-	-	-	74.06	65.55	65.05	1

-

1136.63 K.ITSK*FETLR.I
 psu|PFB0635w | organism=Plasmodium_falciparum_3D7 | product=T-complex protein 1,
 putative | locatio 295 - 304
 #2782-2782 NL:2.04E2

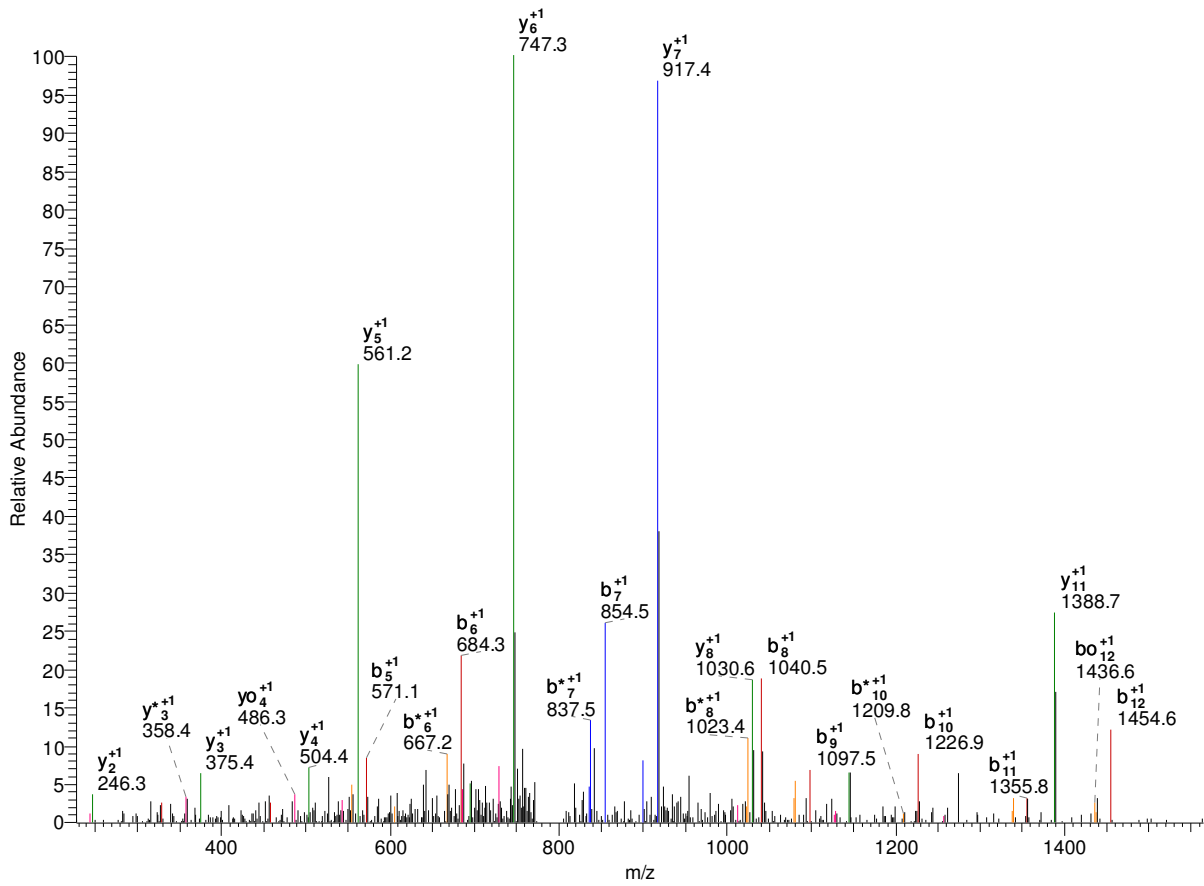


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	9
2	T	215.14	198.11	197.13	1023.55	1006.52	1005.54	8
3	S	302.17	285.14	284.16	922.50	905.47	904.49	7
4	K*	472.28	455.25	454.27	835.47	818.44	817.46	6
5	F	619.34	602.32	601.33	665.36	648.34	647.35	5
6	E	748.39	731.36	730.38	518.29	501.27	500.28	4
7	T	849.44	832.41	831.42	389.25	372.22	371.24	3
8	L	962.52	945.49	944.51	288.20	271.18	270.19	2
9	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	9
2	T	108.07	99.56	99.07	512.28	503.76	503.27	8
3	S	151.59	143.08	142.58	461.75	453.24	452.75	7
4	K*	236.64	228.13	227.64	418.24	409.72	409.23	6
5	F	310.18	301.66	301.17	333.18	324.67	324.18	5
6	E	374.70	366.18	365.69	259.65	251.14	250.64	4
7	T	425.22	416.71	416.22	195.13	186.62	186.12	3
8	L	481.76	473.25	472.76	144.61	136.09	135.60	2
9	R	-	-	-	88.06	79.55	79.06	1

1600.82 K.IVDENIK*WGEEVK.K
 psu|PFI0645w | organism=Plasmodium_falciparum_3D7 | product=EF-1B |
 location=MAL9:575670-576500(+) 179 - 192
 #4712-4712 NL:3.92E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	13
2	V	213.16	196.13	195.15	1487.74	1470.71	1469.73	12
3	D	328.19	311.16	310.18	1388.67	1371.64	1370.66	11
4	E	457.23	440.20	439.22	1273.64	1256.62	1255.63	10
5	N	571.27	554.25	553.26	1144.60	1127.57	1126.59	9
6	I	684.36	667.33	666.35	1030.56	1013.53	1012.55	8
7	K*	854.46	837.44	836.45	917.47	900.45	899.46	7
8	W	1040.54	1023.51	1022.53	747.37	730.34	729.36	6
9	G	1097.56	1080.54	1079.55	561.29	544.26	543.28	5
10	E	1226.61	1209.58	1208.59	504.27	487.24	486.26	4
11	E	1355.65	1338.62	1337.64	375.22	358.20	357.21	3
12	V	1454.72	1437.69	1436.71	246.18	229.15	228.17	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	13
2	V	107.08	98.57	98.08	744.37	735.86	735.37	12
3	D	164.60	156.08	155.59	694.84	686.32	685.83	11
4	E	229.12	220.61	220.11	637.32	628.81	628.32	10
5	N	286.14	277.63	277.13	572.80	564.29	563.80	9
6	I	342.68	334.17	333.68	515.78	507.27	506.78	8

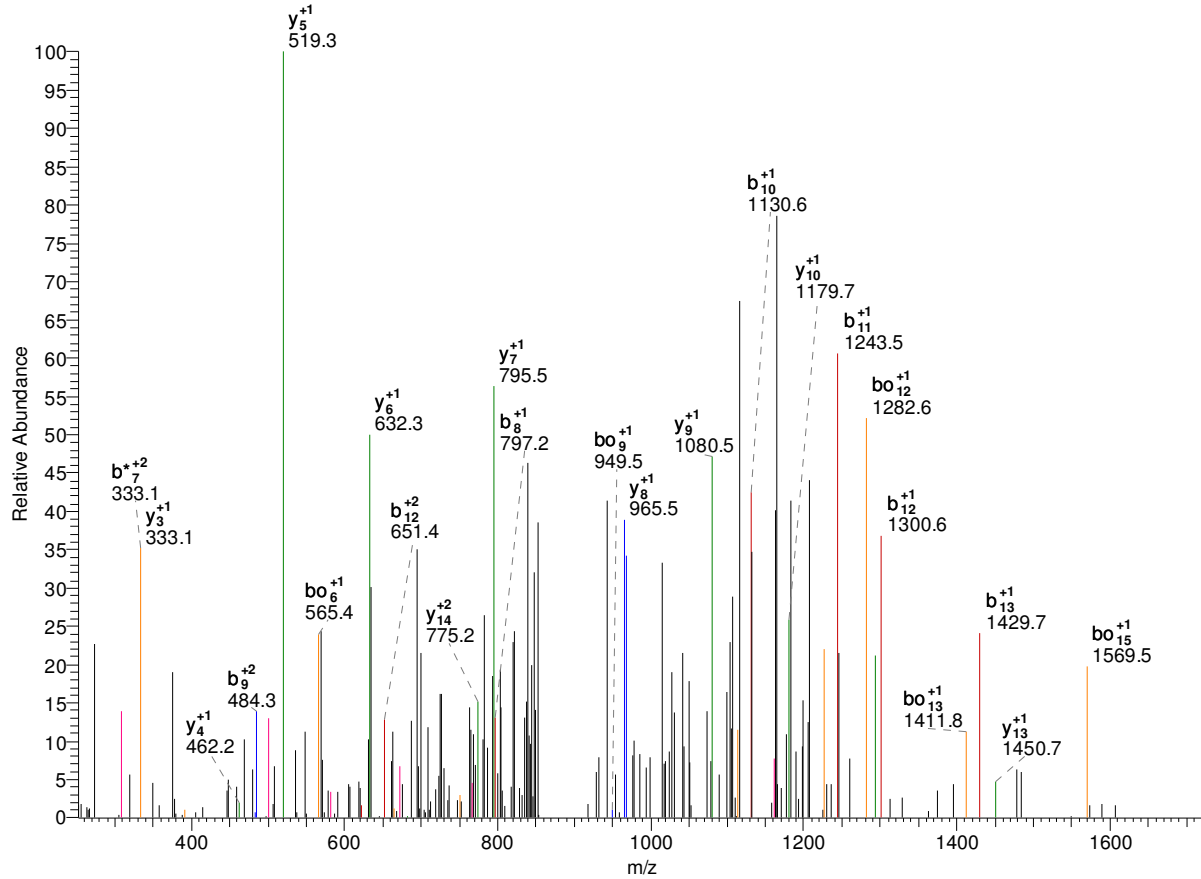
7	K*	427.73	419.22	418.73	459.24	450.73	450.23	7
8	W	520.77	512.26	511.77	374.19	365.67	365.18	6
9	G	549.28	540.77	540.28	281.15	272.63	272.14	5
10	E	613.81	605.29	604.80	252.64	244.12	243.63	4
11	E	678.33	669.81	669.32	188.12	179.60	179.11	3
12	V	727.86	719.35	718.86	123.59	115.08	114.59	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1761.97 R.IVVSIVDK*YIGESAR.I

psu|PF13_0033 | organism=Plasmodium_falciparum_3D7 | product=26S proteasome regulatory subunit, put 201 - 217

#6611-6611 NL:3.70E1



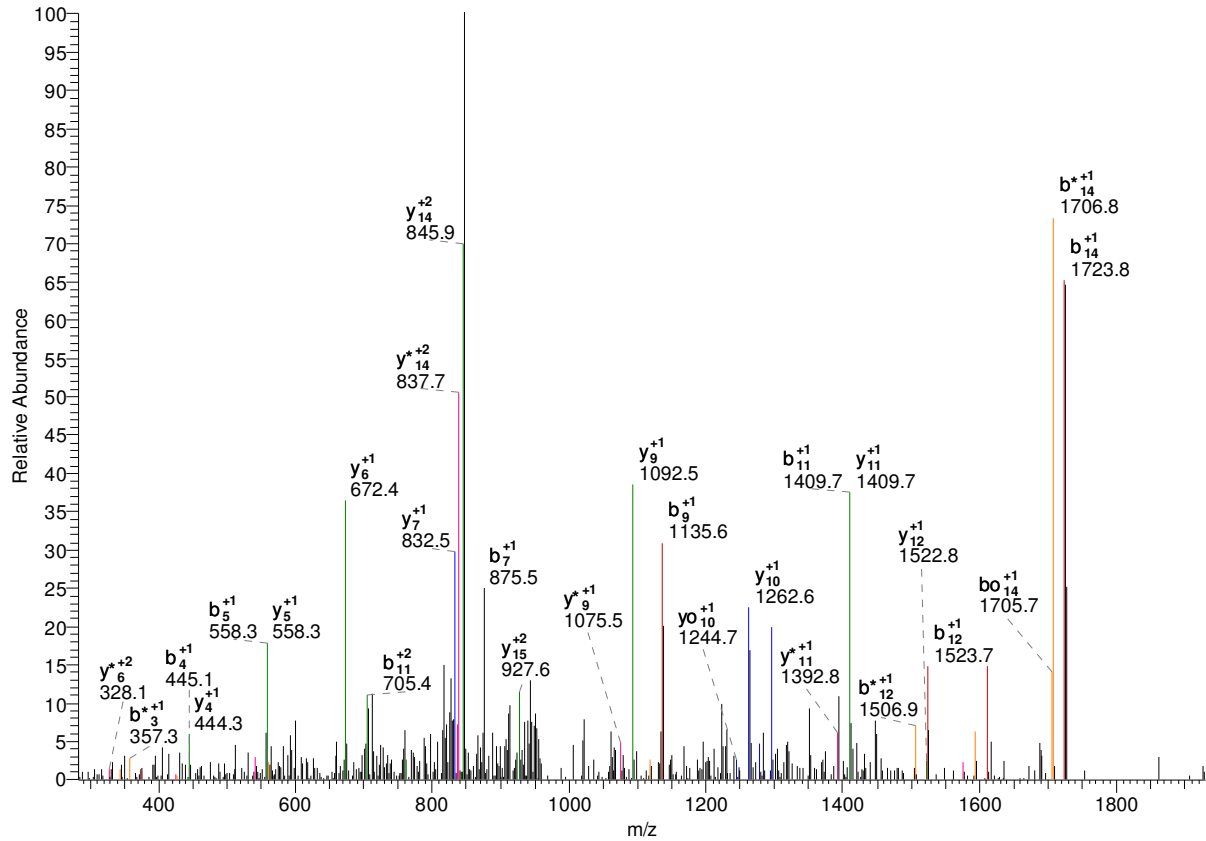
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	16
2	V	213.16	196.13	195.15	1648.89	1631.86	1630.88	15
3	V	312.23	295.20	294.22	1549.82	1532.80	1531.81	14
4	S	399.26	382.23	381.25	1450.75	1433.73	1432.74	13
5	A	470.30	453.27	452.29	1363.72	1346.70	1345.71	12
6	I	583.38	566.35	565.37	1292.68	1275.66	1274.67	11
7	V	682.45	665.42	664.44	1179.60	1162.57	1161.59	10
8	D	797.48	780.45	779.47	1080.53	1063.51	1062.52	9
9	K*	967.58	950.56	949.57	965.51	948.48	947.49	8
10	Y	1130.65	1113.62	1112.64	795.40	778.37	777.39	7
11	I	1243.73	1226.70	1225.72	632.34	615.31	614.33	6
12	G	1300.75	1283.72	1282.74	519.25	502.23	501.24	5
13	E	1429.79	1412.77	1411.78	462.23	445.20	444.22	4
14	S	1516.83	1499.80	1498.82	333.19	316.16	315.18	3
15	A	1587.86	1570.84	1569.85	246.16	229.13	228.15	2
16	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	16
2	V	107.08	98.57	98.08	824.95	816.44	815.94	15
3	V	156.62	148.10	147.61	775.41	766.90	766.41	14

4	S	200.13	191.62	191.13	725.88	717.37	716.88	13
5	A	235.65	227.14	226.65	682.36	673.85	673.36	12
6	I	292.19	283.68	283.19	646.85	638.33	637.84	11
7	V	341.73	333.22	332.72	590.30	581.79	581.30	10
8	D	399.24	390.73	390.24	540.77	532.26	531.76	9
9	K*	484.29	475.78	475.29	483.26	474.74	474.25	8
10	Y	565.83	557.31	556.82	398.20	389.69	389.20	7
11	I	622.37	613.86	613.36	316.67	308.16	307.67	6
12	G	650.88	642.37	641.87	260.13	251.62	251.12	5
13	E	715.40	706.89	706.40	231.62	223.11	222.61	4
14	S	758.92	750.40	749.91	167.10	158.58	158.09	3
15	A	794.44	785.92	785.43	123.58	115.07	114.58	2
16	R	-	-	-	88.06	79.55	79.06	1

-

1967.05 K.IYPALFK*LFC@NNSLPK.D
 psu|PF14_0511 | organism=Plasmodium_falciparum_3D7 | product=glucose-6-phosphatedehydrogenase-6-pho 354 - 370
 #8622-8622 NL: 2.95E2



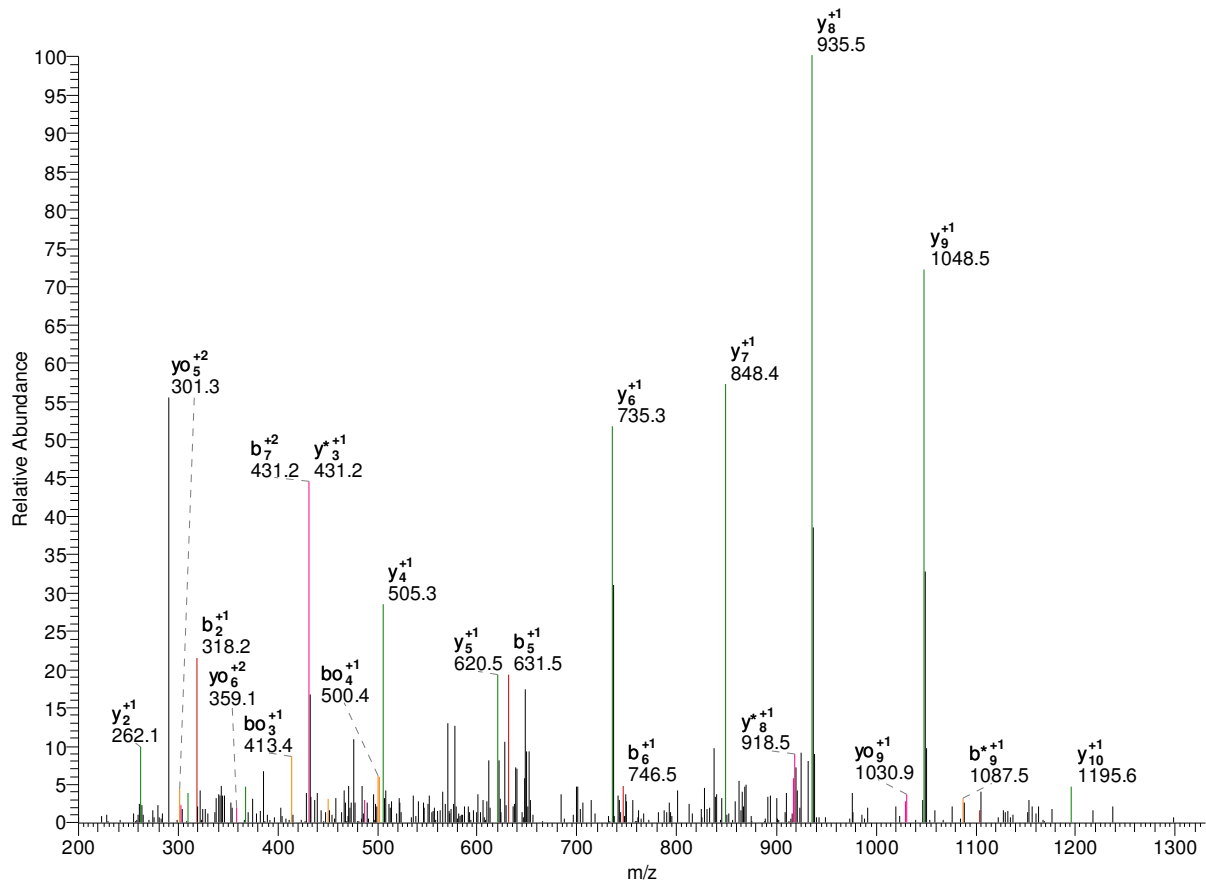
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	16
2	Y	277.15	260.13	259.14	1853.96	1836.94	1835.95	15
3	P	374.21	357.18	356.20	1690.90	1673.87	1672.89	14
4	A	445.24	428.22	427.23	1593.85	1576.82	1575.84	13
5	L	558.33	541.30	540.32	1522.81	1505.78	1504.80	12
6	F	705.40	688.37	687.39	1409.72	1392.70	1391.71	11
7	K*	875.50	858.48	857.49	1262.66	1245.63	1244.65	10
8	L	988.59	971.56	970.58	1092.55	1075.52	1074.54	9
9	F	1135.66	1118.63	1117.64	979.47	962.44	961.46	8
10	C@	1295.69	1278.66	1277.68	832.40	815.37	814.39	7
11	N	1409.73	1392.70	1391.72	672.37	655.34	654.36	6
12	N	1523.77	1506.74	1505.76	558.32	541.30	540.31	5
13	S	1610.80	1593.78	1592.79	444.28	427.26	426.27	4
14	L	1723.89	1706.86	1705.88	357.25	340.22	339.24	3
15	P	1820.94	1803.91	1802.93	244.17	227.14	226.16	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	16
2	Y	139.08	130.57	130.08	927.48	918.97	918.48	15
3	P	187.61	179.09	178.60	845.95	837.44	836.95	14

4	A	223.13	214.61	214.12	797.43	788.91	788.42	13
5	L	279.67	271.15	270.66	761.91	753.39	752.90	12
6	F	353.20	344.69	344.20	705.37	696.85	696.36	11
7	K*	438.25	429.74	429.25	631.83	623.32	622.83	10
8	L	494.80	486.28	485.79	546.78	538.27	537.77	9
9	F	568.33	559.82	559.33	490.24	481.72	481.23	8
10	C@	648.35	639.83	639.34	416.70	408.19	407.70	7
11	N	705.37	696.85	696.36	336.69	328.17	327.68	6
12	N	762.39	753.88	753.38	279.67	271.15	270.66	5
13	S	805.91	797.39	796.90	222.64	214.13	213.64	4
14	L	862.45	853.93	853.44	179.13	170.62	170.12	3
15	P	910.97	902.46	901.97	122.59	114.07	113.58	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1365.68 K.K*FISLDDGWSR.K
 psu|MAL13P1.214 | organism=Plasmodium_falciparum_3D7 | product=phosphoethanolamine N-
 methyltransfer 235 - 246
 #5041-5041 NL: 1.42E2



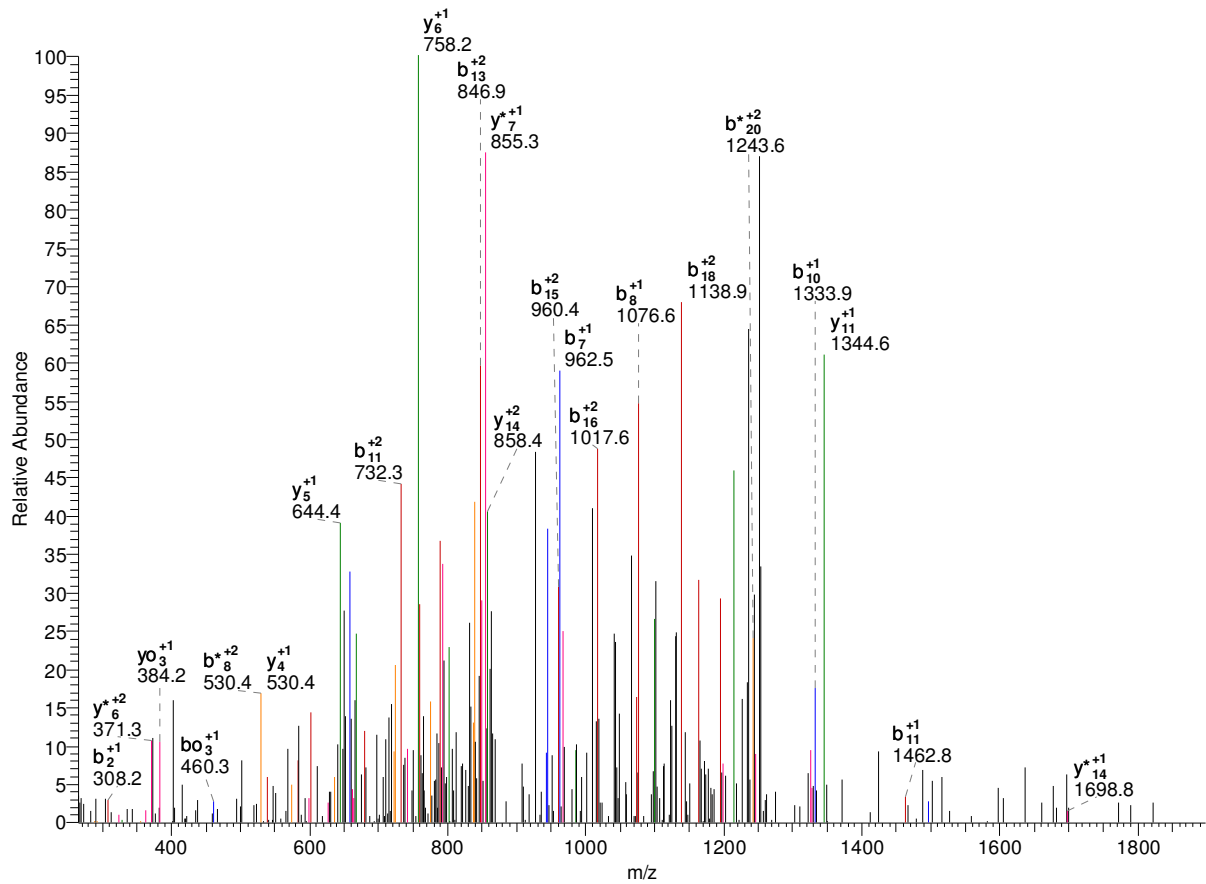
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	11
2	F	318.18	301.15	300.17	1195.57	1178.55	1177.56	10
3	I	431.27	414.24	413.25	1048.51	1031.48	1030.50	9
4	S	518.30	501.27	500.29	935.42	918.40	917.41	8
5	L	631.38	614.35	613.37	848.39	831.36	830.38	7
6	D	746.41	729.38	728.40	735.31	718.28	717.30	6
7	D	861.44	844.41	843.42	620.28	603.25	602.27	5
8	G	918.46	901.43	900.45	505.25	488.23	487.24	4
9	W	1104.54	1087.51	1086.53	448.23	431.20	430.22	3
10	S	1191.57	1174.54	1173.56	262.15	245.12	244.14	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	11
2	F	159.59	151.08	150.59	598.29	589.78	589.29	10
3	I	216.14	207.62	207.13	524.76	516.24	515.75	9
4	S	259.65	251.14	250.65	468.21	459.70	459.21	8
5	L	316.19	307.68	307.19	424.70	416.19	415.69	7
6	D	373.71	365.19	364.70	368.16	359.64	359.15	6
7	D	431.22	422.71	422.22	310.64	302.13	301.64	5
8	G	459.73	451.22	450.73	253.13	244.62	244.12	4

9	W	552.77	544.26	543.77	224.62	216.11	215.61	3
10	S	596.29	587.77	587.28	131.58	123.07	122.57	2
11	R	-	-	-	88.06	79.55	79.06	1

-

2635.32 K.K*HK*NSLK*NSK*EDDLNNQNLR.S
 psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 1786 - 1807
 #2783-2783 NL: 5.04E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	21
2	H	308.17	291.15	290.16	2507.22	2490.20	2489.21	20
3	K*	478.28	461.25	460.27	2370.16	2353.14	2352.15	19
4	N	592.32	575.29	574.31	2200.06	2183.03	2182.05	18
5	S	679.35	662.33	661.34	2086.02	2068.99	2068.01	17
6	L	792.44	775.41	774.43	1998.98	1981.96	1980.97	16
7	K*	962.54	945.52	944.53	1885.90	1868.87	1867.89	15
8	N	1076.58	1059.56	1058.57	1715.79	1698.77	1697.78	14
9	S	1163.62	1146.59	1145.61	1601.75	1584.72	1583.74	13
10	K*	1333.72	1316.70	1315.71	1514.72	1497.69	1496.71	12
11	E	1462.76	1445.74	1444.75	1344.61	1327.59	1326.60	11
12	D	1577.79	1560.77	1559.78	1215.57	1198.54	1197.56	10
13	D	1692.82	1675.79	1674.81	1100.54	1083.52	1082.53	9
14	L	1805.90	1788.88	1787.89	985.52	968.49	967.51	8
15	N	1919.95	1902.92	1901.94	872.43	855.41	854.42	7
16	N	2033.99	2016.96	2015.98	758.39	741.36	740.38	6
17	N	2148.03	2131.01	2130.02	644.35	627.32	626.34	5
18	Q	2276.09	2259.06	2258.08	530.30	513.28	512.29	4
19	N	2390.13	2373.11	2372.12	402.25	385.22	384.24	3
20	L	2503.22	2486.19	2485.21	288.20	271.18	270.19	2
21	R	-	-	-	175.12	158.09	157.11	1

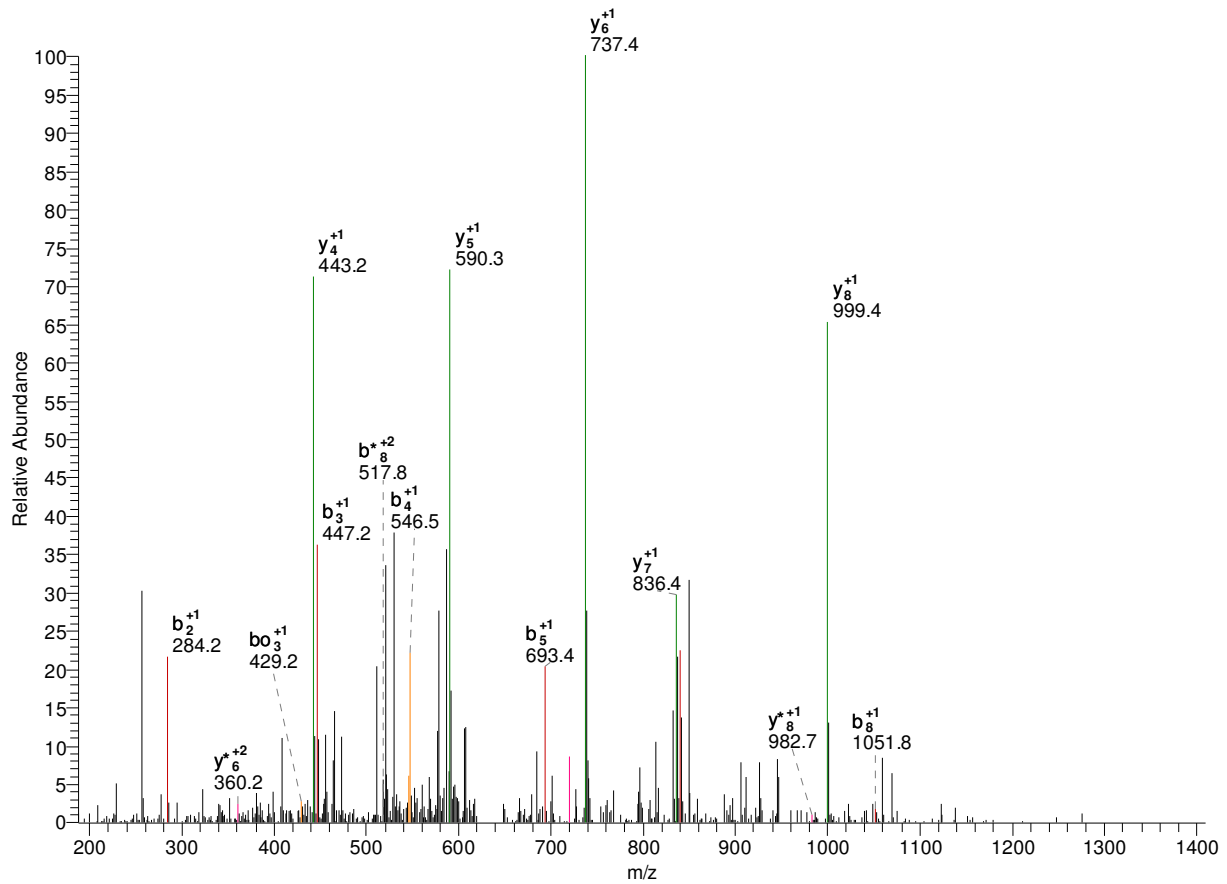
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	21
2	H	154.59	146.08	145.58	1254.12	1245.60	1245.11	20
3	K*	239.64	231.13	230.64	1185.59	1177.07	1176.58	19
4	N	296.66	288.15	287.66	1100.53	1092.02	1091.53	18
5	S	340.18	331.67	331.17	1043.51	1035.00	1034.51	17
6	L	396.72	388.21	387.72	1000.00	991.48	990.99	16
7	K*	481.77	473.26	472.77	943.45	934.94	934.45	15
8	N	538.80	530.28	529.79	858.40	849.89	849.40	14
9	S	582.31	573.80	573.31	801.38	792.87	792.37	13
10	K*	667.36	658.85	658.36	757.86	749.35	748.86	12
11	E	731.89	723.37	722.88	672.81	664.30	663.81	11
12	D	789.40	780.89	780.39	608.29	599.78	599.28	10
13	D	846.91	838.40	837.91	550.78	542.26	541.77	9
14	L	903.46	894.94	894.45	493.26	484.75	484.26	8
15	N	960.48	951.96	951.47	436.72	428.21	427.72	7
16	N	1017.50	1008.98	1008.49	379.70	371.19	370.69	6
17	N	1074.52	1066.01	1065.51	322.68	314.16	313.67	5
18	Q	1138.55	1130.04	1129.54	265.66	257.14	256.65	4
19	N	1195.57	1187.06	1186.56	201.63	193.11	192.62	3
20	L	1252.11	1243.60	1243.11	144.61	136.09	135.60	2
21	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	57.71	52.03	51.71	-	-	-	21
2	H	103.40	97.72	97.39	836.41	830.74	830.41	20
3	K*	160.10	154.42	154.09	790.73	785.05	784.72	19
4	N	198.11	192.44	192.11	734.02	728.35	728.02	18
5	S	227.12	221.45	221.12	696.01	690.33	690.01	17
6	L	264.82	259.14	258.81	667.00	661.32	661.00	16
7	K*	321.52	315.84	315.52	629.30	623.63	623.30	15
8	N	359.53	353.86	353.53	572.60	566.93	566.60	14
9	S	388.54	382.87	382.54	534.59	528.91	528.59	13
10	K*	445.25	439.57	439.24	505.58	499.90	499.57	12
11	E	488.26	482.58	482.26	448.88	443.20	442.87	11
12	D	526.60	520.93	520.60	405.86	400.19	399.86	10
13	D	564.94	559.27	558.94	367.52	361.84	361.52	9
14	L	602.64	596.96	596.64	329.18	323.50	323.17	8
15	N	640.65	634.98	634.65	291.48	285.81	285.48	7
16	N	678.67	672.99	672.66	253.47	247.79	247.46	6
17	N	716.68	711.01	710.68	215.45	209.78	209.45	5
18	Q	759.37	753.69	753.36	177.44	171.76	171.44	4
19	N	797.38	791.71	791.38	134.75	129.08	128.75	3
20	L	835.08	829.40	829.07	96.74	91.06	90.74	2
21	R	-	-	-	59.04	53.37	53.04	1

-

1282.69 K.K*IYVFFPNGR.I
 psu|PF11_0257 | organism=Plasmodium_falciparum_3D7 | product=ethanolamine kinase,
 putative | locati 167 - 177
 #5091-5091 NL:3.97E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	10
2	I	284.20	267.17	266.19	1112.59	1095.56	1094.58	9
3	Y	447.26	430.23	429.25	999.50	982.48	981.49	8
4	V	546.33	529.30	528.32	836.44	819.41	818.43	7
5	F	693.40	676.37	675.39	737.37	720.35	719.36	6
6	F	840.47	823.44	822.45	590.30	573.28	572.29	5
7	P	937.52	920.49	919.51	443.24	426.21	425.23	4
8	N	1051.56	1034.53	1033.55	346.18	329.16	328.17	3
9	G	1108.58	1091.56	1090.57	232.14	215.11	214.13	2
10	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	10
2	I	142.60	134.09	133.60	556.80	548.28	547.79	9
3	Y	224.13	215.62	215.13	500.26	491.74	491.25	8
4	V	273.67	265.15	264.66	418.72	410.21	409.72	7
5	F	347.20	338.69	338.20	369.19	360.68	360.18	6
6	F	420.74	412.22	411.73	295.66	287.14	286.65	5
7	P	469.26	460.75	460.26	222.12	213.61	213.12	4
8	N	526.28	517.77	517.28	173.60	165.08	164.59	3
9	G	554.79	546.28	545.79	116.57	108.06	107.57	2

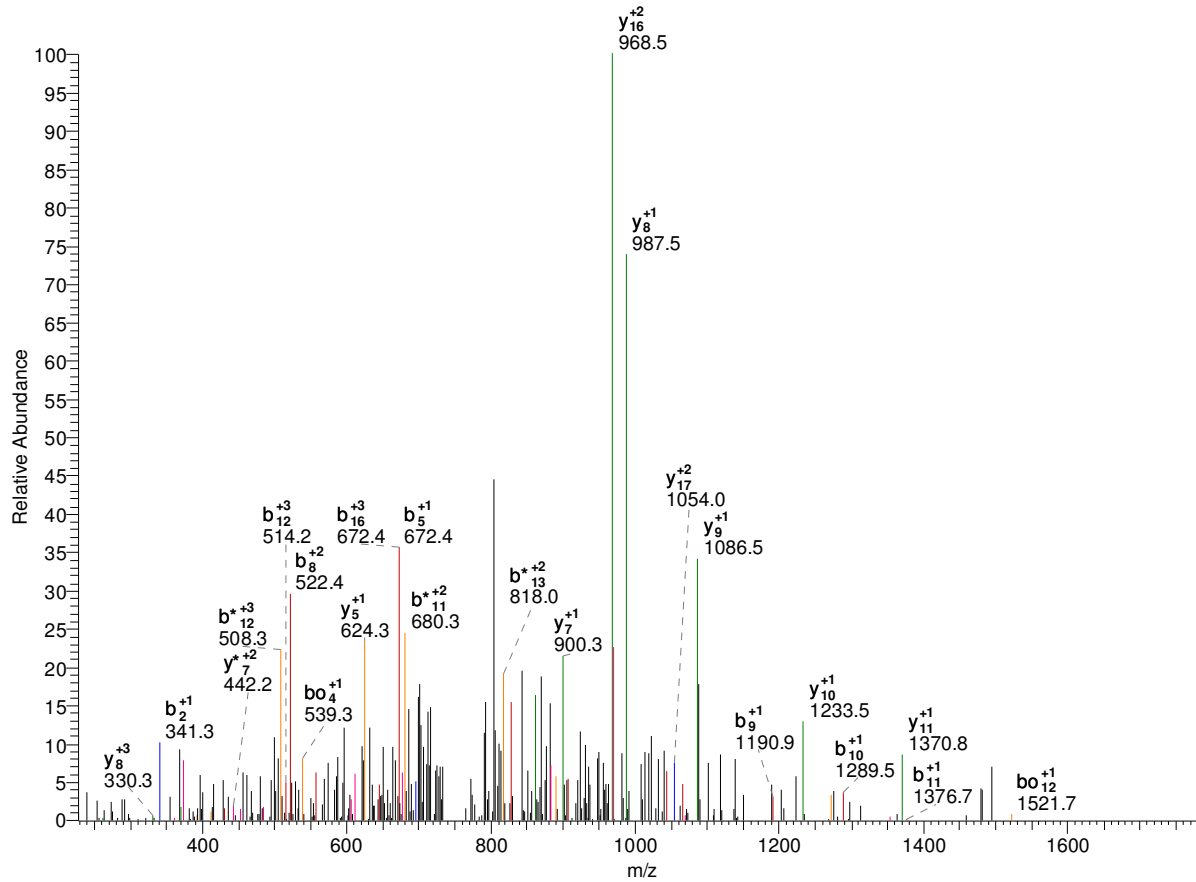
10	R	-	-	-	88.06	79.55	79.06	1
----	---	---	---	---	-------	-------	-------	---

-

2276.09 K.K*K*SEDSHFVSYISFQDK.V

psu|PF11_0177 | organism=Plasmodium_falciparum_3D7 | product=ubiquitin C-terminal hydrolase, family 212 - 230

#7342-7342 NL: 8.59E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	18
2	K*	341.22	324.19	323.21	2105.98	2088.95	2087.97	17
3	S	428.25	411.22	410.24	1935.88	1918.85	1917.87	16
4	E	557.29	540.27	539.28	1848.84	1831.82	1830.83	15
5	D	672.32	655.29	654.31	1719.80	1702.77	1701.79	14
6	S	759.35	742.33	741.34	1604.77	1587.75	1586.76	13
7	F	906.42	889.39	888.41	1517.74	1500.72	1499.73	12
8	H	1043.48	1026.45	1025.47	1370.67	1353.65	1352.66	11
9	F	1190.55	1173.52	1172.54	1233.62	1216.59	1215.60	10
10	V	1289.62	1272.59	1271.61	1086.55	1069.52	1068.54	9
11	S	1376.65	1359.62	1358.64	987.48	970.45	969.47	8
12	Y	1539.71	1522.68	1521.70	900.45	883.42	882.44	7
13	I	1652.80	1635.77	1634.78	737.38	720.36	719.37	6
14	S	1739.83	1722.80	1721.82	624.30	607.27	606.29	5
15	F	1886.90	1869.87	1868.89	537.27	520.24	519.26	4
16	Q	2014.95	1997.93	1996.94	390.20	373.17	372.19	3
17	D	2129.98	2112.95	2111.97	262.14	245.11	244.13	2
18	K	-	-	-	147.11	130.09	129.10	1

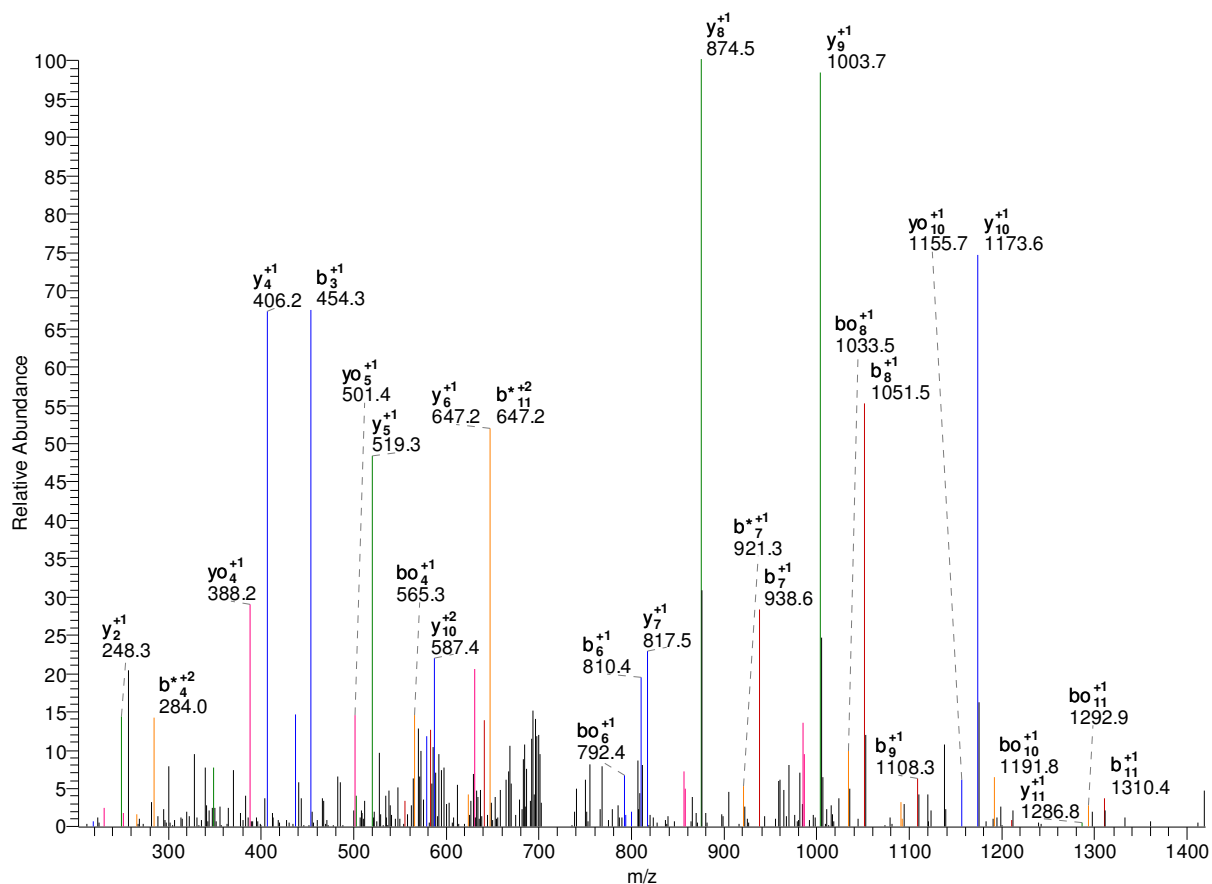
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	18

2	K*	171.11	162.60	162.11	1053.49	1044.98	1044.49	17
3	S	214.63	206.12	205.62	968.44	959.93	959.44	16
4	E	279.15	270.64	270.14	924.93	916.41	915.92	15
5	D	336.66	328.15	327.66	860.40	851.89	851.40	14
6	S	380.18	371.67	371.17	802.89	794.38	793.89	13
7	F	453.71	445.20	444.71	759.37	750.86	750.37	12
8	H	522.24	513.73	513.24	685.84	677.33	676.84	11
9	F	595.78	587.26	586.77	617.31	608.80	608.31	10
10	V	645.31	636.80	636.31	543.78	535.26	534.77	9
11	S	688.83	680.31	679.82	494.24	485.73	485.24	8
12	Y	770.36	761.85	761.35	450.73	442.21	441.72	7
13	I	826.90	818.39	817.90	369.20	360.68	360.19	6
14	S	870.42	861.90	861.41	312.65	304.14	303.65	5
15	F	943.95	935.44	934.95	269.14	260.62	260.13	4
16	Q	1007.98	999.47	998.98	195.60	187.09	186.60	3
17	D	1065.49	1056.98	1056.49	131.57	123.06	122.57	2
18	K	-	-	-	74.06	65.55	65.05	1

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	57.71	52.03	51.71	-	-	-	18
2	K*	114.41	108.74	108.41	702.67	696.99	696.66	17
3	S	143.42	137.75	137.42	645.96	640.29	639.96	16
4	E	186.44	180.76	180.43	616.95	611.28	610.95	15
5	D	224.78	219.10	218.77	573.94	568.26	567.94	14
6	S	253.79	248.11	247.79	535.60	529.92	529.59	13
7	F	302.81	297.14	296.81	506.59	500.91	500.58	12
8	H	348.50	342.82	342.49	457.56	451.89	451.56	11
9	F	397.52	391.85	391.52	411.88	406.20	405.87	10
10	V	430.54	424.87	424.54	362.85	357.18	356.85	9
11	S	459.55	453.88	453.55	329.83	324.16	323.83	8
12	Y	513.91	508.23	507.91	300.82	295.14	294.82	7
13	I	551.60	545.93	545.60	246.47	240.79	240.46	6
14	S	580.61	574.94	574.61	208.77	203.10	202.77	5
15	F	629.64	623.96	623.63	179.76	174.08	173.76	4
16	Q	672.32	666.65	666.32	130.74	125.06	124.73	3
17	D	710.67	704.99	704.66	88.05	82.38	82.05	2
18	K	-	-	-	49.71	44.03	43.71	1

1456.84 K.K*LK*EGK*QIGTTK.R
 psu|PF13_0287 | organism=Plasmodium_falciparum_3D7 | product=adenylosuccinate
 synthetase | location 130 - 142
 #1727-1727 NL: 1.46E2



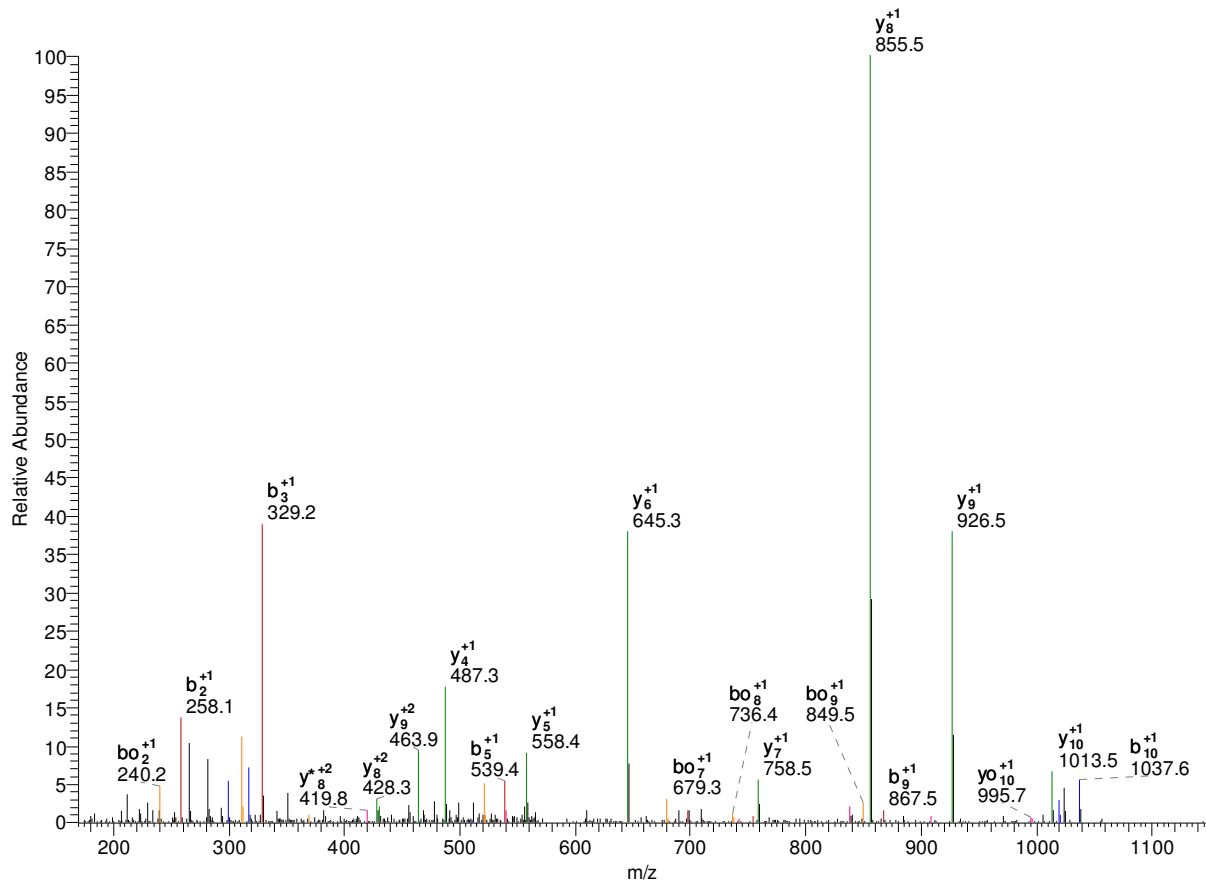
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	12
2	L	284.20	267.17	266.19	1286.73	1269.70	1268.72	11
3	K*	454.30	437.28	436.29	1173.65	1156.62	1155.64	10
4	E	583.34	566.32	565.33	1003.54	986.52	985.53	9
5	G	640.37	623.34	622.36	874.50	857.47	856.49	8
6	K*	810.47	793.45	792.46	817.48	800.45	799.47	7
7	Q	938.53	921.50	920.52	647.37	630.35	629.36	6
8	I	1051.61	1034.59	1033.60	519.31	502.29	501.30	5
9	G	1108.64	1091.61	1090.63	406.23	389.20	388.22	4
10	T	1209.68	1192.66	1191.67	349.21	332.18	331.20	3
11	T	1310.73	1293.70	1292.72	248.16	231.13	230.15	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	12
2	L	142.60	134.09	133.60	643.87	635.36	634.86	11
3	K*	227.65	219.14	218.65	587.33	578.81	578.32	10
4	E	292.18	283.66	283.17	502.27	493.76	493.27	9
5	G	320.69	312.17	311.68	437.75	429.24	428.75	8
6	K*	405.74	397.23	396.73	409.24	400.73	400.24	7
7	Q	469.77	461.26	460.76	324.19	315.68	315.18	6

8	I	526.31	517.80	517.31	260.16	251.65	251.16	5
9	G	554.82	546.31	545.82	203.62	195.11	194.61	4
10	T	605.35	596.83	596.34	175.11	166.59	166.10	3
11	T	655.87	647.36	646.86	124.58	116.07	115.58	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1183.70 R.K*SAPISAGIK*K.P
 psu|PFF0510w | organism=Plasmodium_falciparum_3D7 | product=histone H3, putative |
 location=MAL6:44 27 - 38
 #1962-1962 NL: 3.30E3



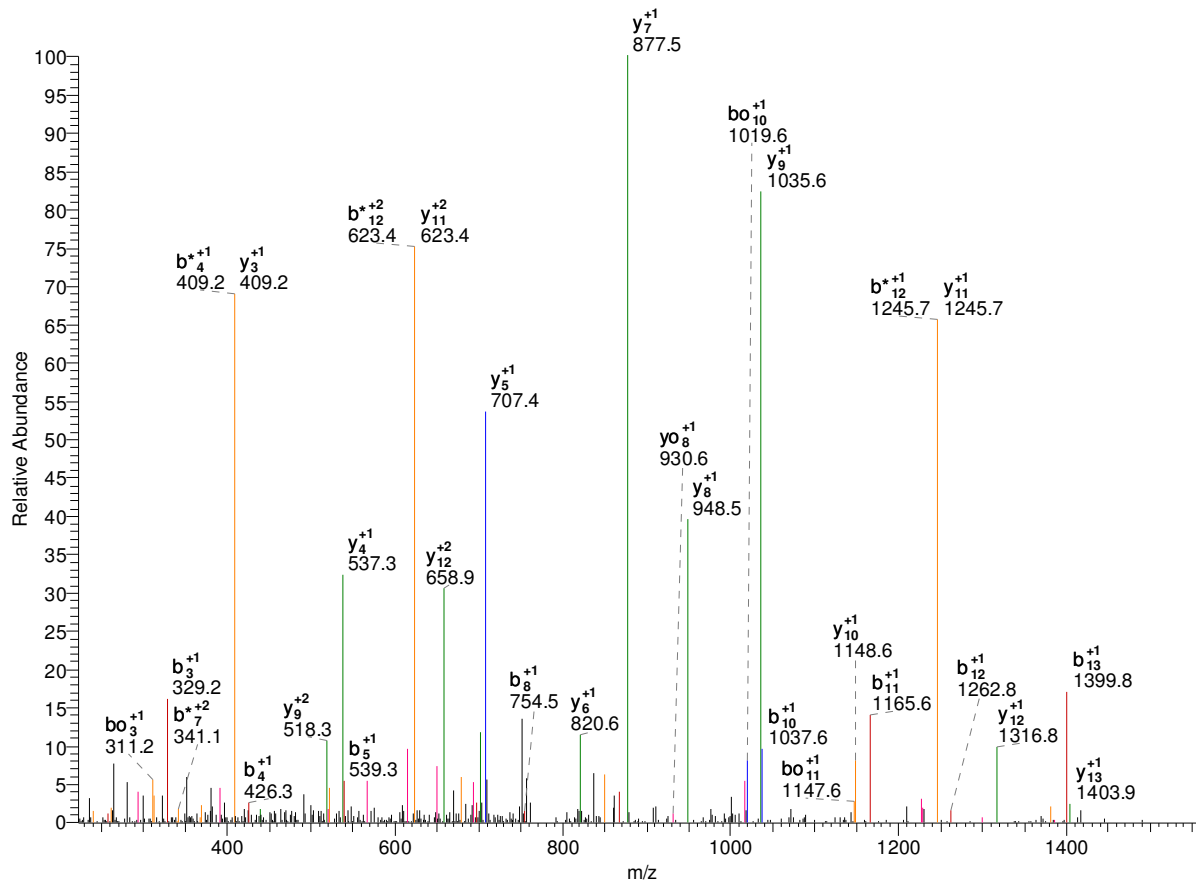
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	11
2	S	258.14	241.12	240.13	1013.60	996.57	995.59	10
3	A	329.18	312.16	311.17	926.57	909.54	908.56	9
4	P	426.23	409.21	408.22	855.53	838.50	837.52	8
5	I	539.32	522.29	521.31	758.48	741.45	740.47	7
6	S	626.35	609.32	608.34	645.39	628.37	627.38	6
7	A	697.39	680.36	679.38	558.36	541.33	540.35	5
8	G	754.41	737.38	736.40	487.32	470.30	469.31	4
9	I	867.49	850.47	849.48	430.30	413.28	412.29	3
10	K*	1037.60	1020.57	1019.59	317.22	300.19	299.21	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	11
2	S	129.58	121.06	120.57	507.30	498.79	498.30	10
3	A	165.09	156.58	156.09	463.79	455.27	454.78	9
4	P	213.62	205.11	204.62	428.27	419.76	419.26	8
5	I	270.16	261.65	261.16	379.74	371.23	370.74	7
6	S	313.68	305.17	304.67	323.20	314.69	314.19	6
7	A	349.20	340.68	340.19	279.68	271.17	270.68	5
8	G	377.71	369.20	368.70	244.17	235.65	235.16	4

9	I	434.25	425.74	425.25	215.65	207.14	206.65	3
10	K*	519.30	510.79	510.30	159.11	150.60	150.11	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1573.92 R.K*SAPISAGIK*KPHR.Y
 psu|PFF0510w | organism=Plasmodium_falciparum_3D7 | product=histone H3, putative |
 location=MAL6:44 27 - 41
 #1107-1107 NL: 1.59E3



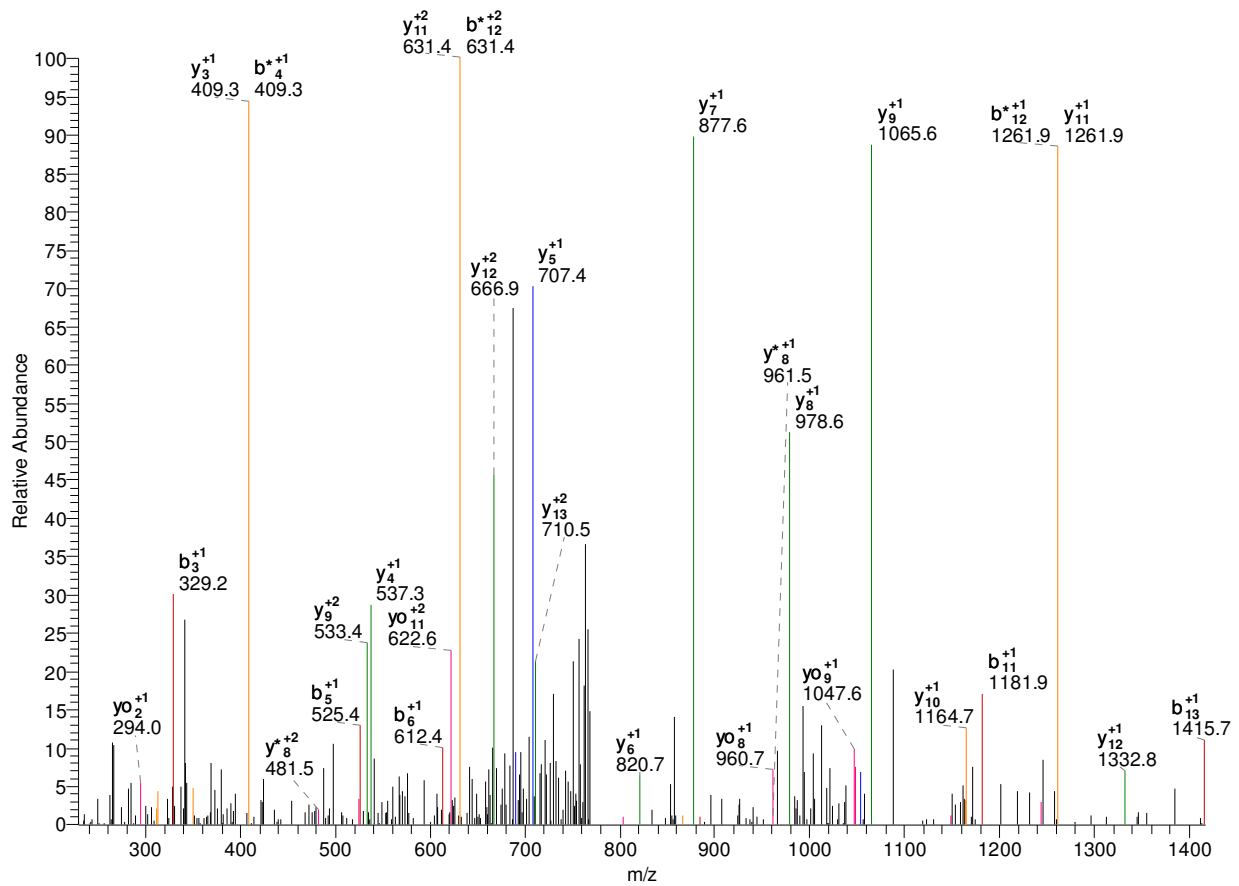
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	14
2	S	258.14	241.12	240.13	1403.81	1386.79	1385.80	13
3	A	329.18	312.16	311.17	1316.78	1299.75	1298.77	12
4	P	426.23	409.21	408.22	1245.74	1228.72	1227.73	11
5	I	539.32	522.29	521.31	1148.69	1131.66	1130.68	10
6	S	626.35	609.32	608.34	1035.61	1018.58	1017.60	9
7	A	697.39	680.36	679.38	948.57	931.55	930.56	8
8	G	754.41	737.38	736.40	877.54	860.51	859.53	7
9	I	867.49	850.47	849.48	820.52	803.49	802.50	6
10	K*	1037.60	1020.57	1019.59	707.43	690.40	689.42	5
11	K	1165.69	1148.67	1147.68	537.33	520.30	519.32	4
12	P	1262.75	1245.72	1244.74	409.23	392.20	391.22	3
13	H	1399.81	1382.78	1381.80	312.18	295.15	294.17	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	14
2	S	129.58	121.06	120.57	702.41	693.90	693.40	13
3	A	165.09	156.58	156.09	658.89	650.38	649.89	12
4	P	213.62	205.11	204.62	623.37	614.86	614.37	11
5	I	270.16	261.65	261.16	574.85	566.34	565.84	10

6	S	313.68	305.17	304.67	518.31	509.79	509.30	9
7	A	349.20	340.68	340.19	474.79	466.28	465.79	8
8	G	377.71	369.20	368.70	439.27	430.76	430.27	7
9	I	434.25	425.74	425.25	410.76	402.25	401.76	6
10	K*	519.30	510.79	510.30	354.22	345.71	345.21	5
11	K	583.35	574.84	574.35	269.17	260.65	260.16	4
12	P	631.88	623.36	622.87	205.12	196.61	196.11	3
13	H	700.41	691.89	691.40	156.59	148.08	147.59	2
14	R	-	-	-	88.06	79.55	79.06	1

-

1589.91 R.K*SAPVSTGIK*KPHR.Y
 psu|PFF0865w | organism=Plasmodium_falciparum_3D7 | product=histone h3 |
 location=MAL6:754392-75480 27 - 41
 #613-613 NL: 8.62E1



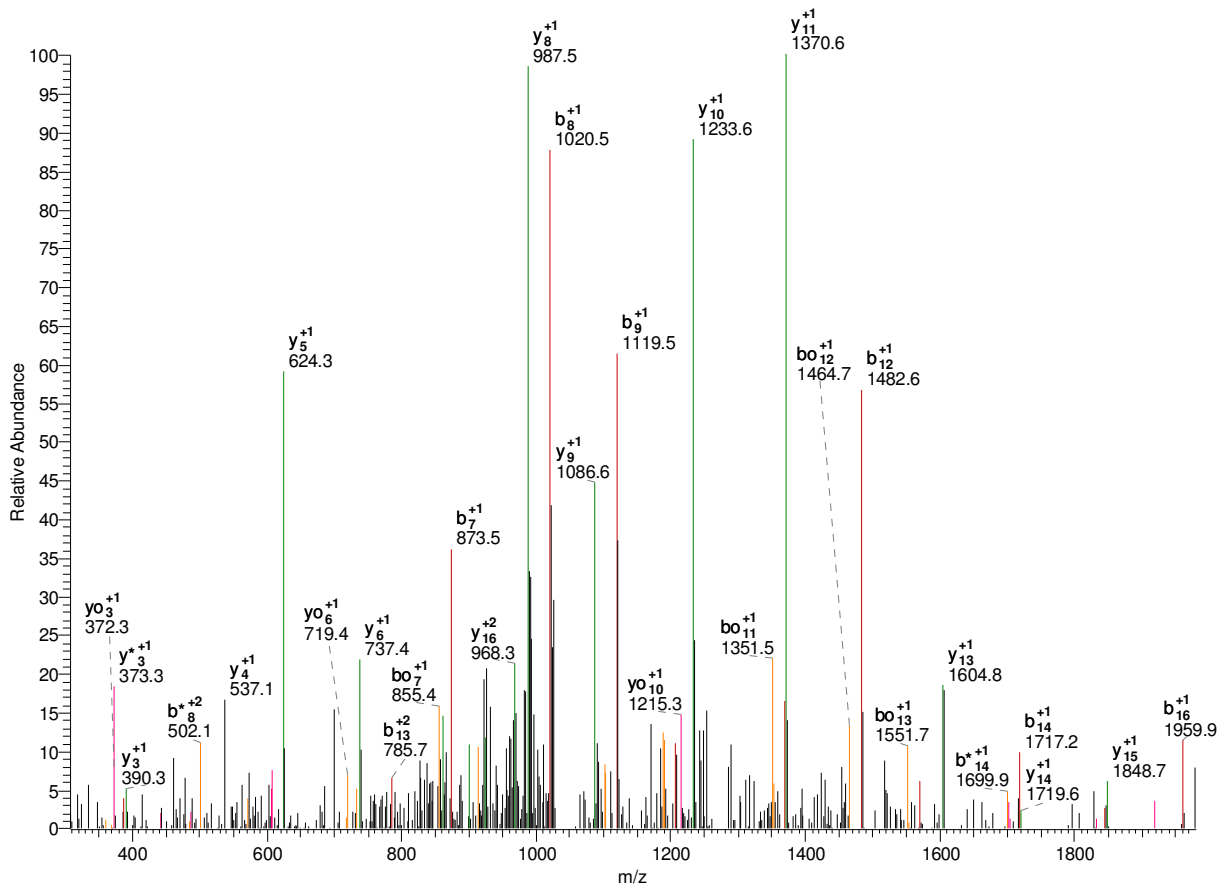
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	14
2	S	258.14	241.12	240.13	1419.81	1402.78	1401.80	13
3	A	329.18	312.16	311.17	1332.77	1315.75	1314.76	12
4	P	426.23	409.21	408.22	1261.74	1244.71	1243.73	11
5	V	525.30	508.28	507.29	1164.68	1147.66	1146.67	10
6	S	612.34	595.31	594.32	1065.62	1048.59	1047.61	9
7	T	713.38	696.36	695.37	978.58	961.56	960.57	8
8	G	770.40	753.38	752.39	877.54	860.51	859.53	7
9	I	883.49	866.46	865.48	820.52	803.49	802.50	6
10	K*	1053.59	1036.57	1035.58	707.43	690.40	689.42	5
11	K	1181.69	1164.66	1163.68	537.33	520.30	519.32	4
12	P	1278.74	1261.72	1260.73	409.23	392.20	391.22	3
13	H	1415.80	1398.77	1397.79	312.18	295.15	294.17	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	14
2	S	129.58	121.06	120.57	710.41	701.89	701.40	13
3	A	165.09	156.58	156.09	666.89	658.38	657.89	12
4	P	213.62	205.11	204.62	631.37	622.86	622.37	11
5	V	263.16	254.64	254.15	582.85	574.33	573.84	10

6	S	306.67	298.16	297.67	533.31	524.80	524.31	9
7	T	357.20	348.68	348.19	489.80	481.28	480.79	8
8	G	385.71	377.19	376.70	439.27	430.76	430.27	7
9	I	442.25	433.73	433.24	410.76	402.25	401.76	6
10	K*	527.30	518.79	518.30	354.22	345.71	345.21	5
11	K	591.35	582.83	582.34	269.17	260.65	260.16	4
12	P	639.87	631.36	630.87	205.12	196.61	196.11	3
13	H	708.40	699.89	699.40	156.59	148.08	147.59	2
14	R	-	-	-	88.06	79.55	79.06	1

-

2105.98 K.K*SEDSFHFVSYISFQDK.V
 psu|PF11_0177 | organism=Plasmodium_falciparum_3D7 | product=ubiquitin C-terminal
 hydrolase, family 213 - 230
 #7316-7316 NL: 1.14E2



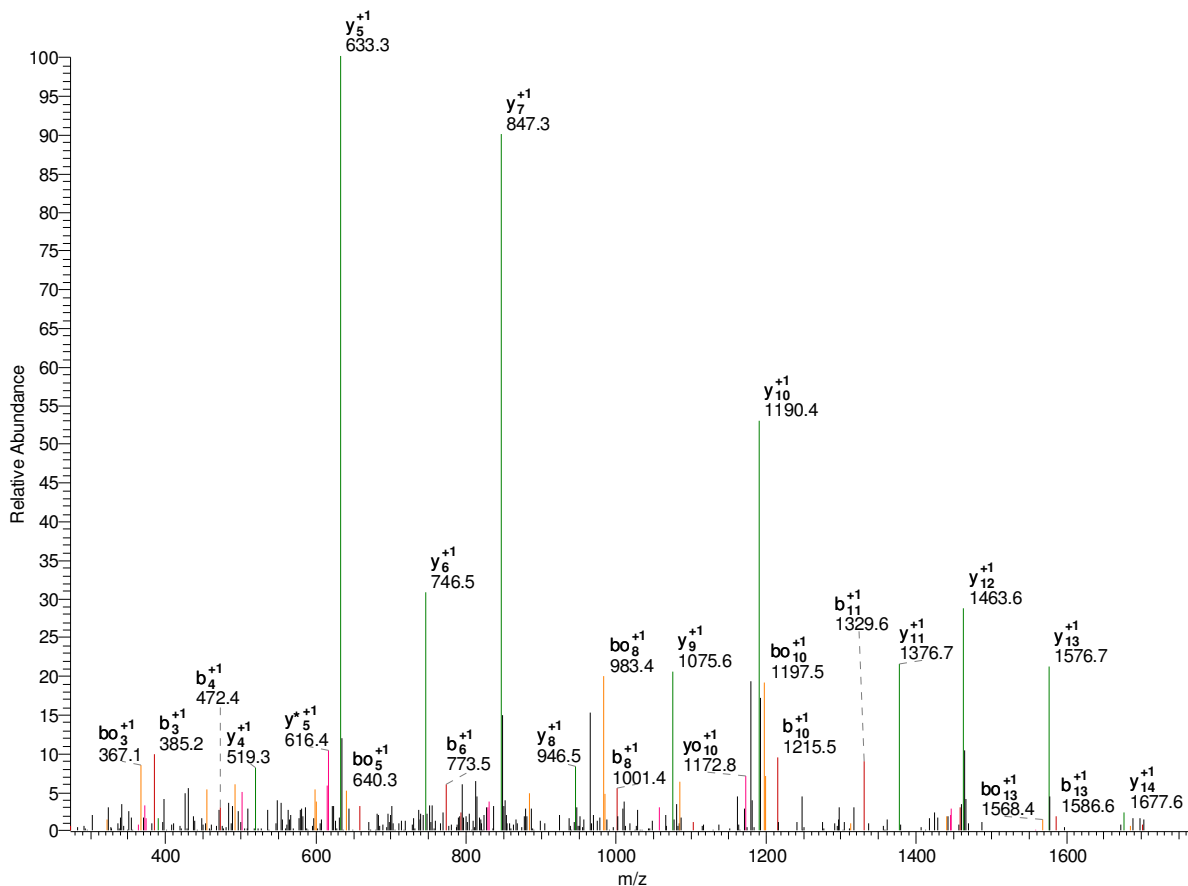
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	17
2	S	258.14	241.12	240.13	1935.88	1918.85	1917.87	16
3	E	387.19	370.16	369.18	1848.84	1831.82	1830.83	15
4	D	502.21	485.19	484.20	1719.80	1702.77	1701.79	14
5	S	589.25	572.22	571.24	1604.77	1587.75	1586.76	13
6	F	736.31	719.29	718.30	1517.74	1500.72	1499.73	12
7	H	873.37	856.35	855.36	1370.67	1353.65	1352.66	11
8	F	1020.44	1003.42	1002.43	1233.62	1216.59	1215.60	10
9	V	1119.51	1102.48	1101.50	1086.55	1069.52	1068.54	9
10	S	1206.54	1189.52	1188.53	987.48	970.45	969.47	8
11	Y	1369.61	1352.58	1351.60	900.45	883.42	882.44	7
12	I	1482.69	1465.66	1464.68	737.38	720.36	719.37	6
13	S	1569.72	1552.70	1551.71	624.30	607.27	606.29	5
14	F	1716.79	1699.76	1698.78	537.27	520.24	519.26	4
15	Q	1844.85	1827.82	1826.84	390.20	373.17	372.19	3
16	D	1959.88	1942.85	1941.87	262.14	245.11	244.13	2
17	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	17
2	S	129.58	121.06	120.57	968.44	959.93	959.44	16
3	E	194.10	185.58	185.09	924.93	916.41	915.92	15

4	D	251.61	243.10	242.61	860.40	851.89	851.40	14
5	S	295.13	286.61	286.12	802.89	794.38	793.89	13
6	F	368.66	360.15	359.66	759.37	750.86	750.37	12
7	H	437.19	428.68	428.19	685.84	677.33	676.84	11
8	F	510.72	502.21	501.72	617.31	608.80	608.31	10
9	V	560.26	551.75	551.25	543.78	535.26	534.77	9
10	S	603.77	595.26	594.77	494.24	485.73	485.24	8
11	Y	685.31	676.79	676.30	450.73	442.21	441.72	7
12	I	741.85	733.34	732.84	369.20	360.68	360.19	6
13	S	785.36	776.85	776.36	312.65	304.14	303.65	5
14	F	858.90	850.39	849.89	269.14	260.62	260.13	4
15	Q	922.93	914.41	913.92	195.60	187.09	186.60	3
16	D	980.44	971.93	971.44	131.57	123.06	122.57	2
17	K	-	-	-	74.06	65.55	65.05	1

-

1847.90 K.K*TISWDEVTINEQDK.E
 psu|PFC0886w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 9 - 24
 #4194-4194 NL: 2.57E2



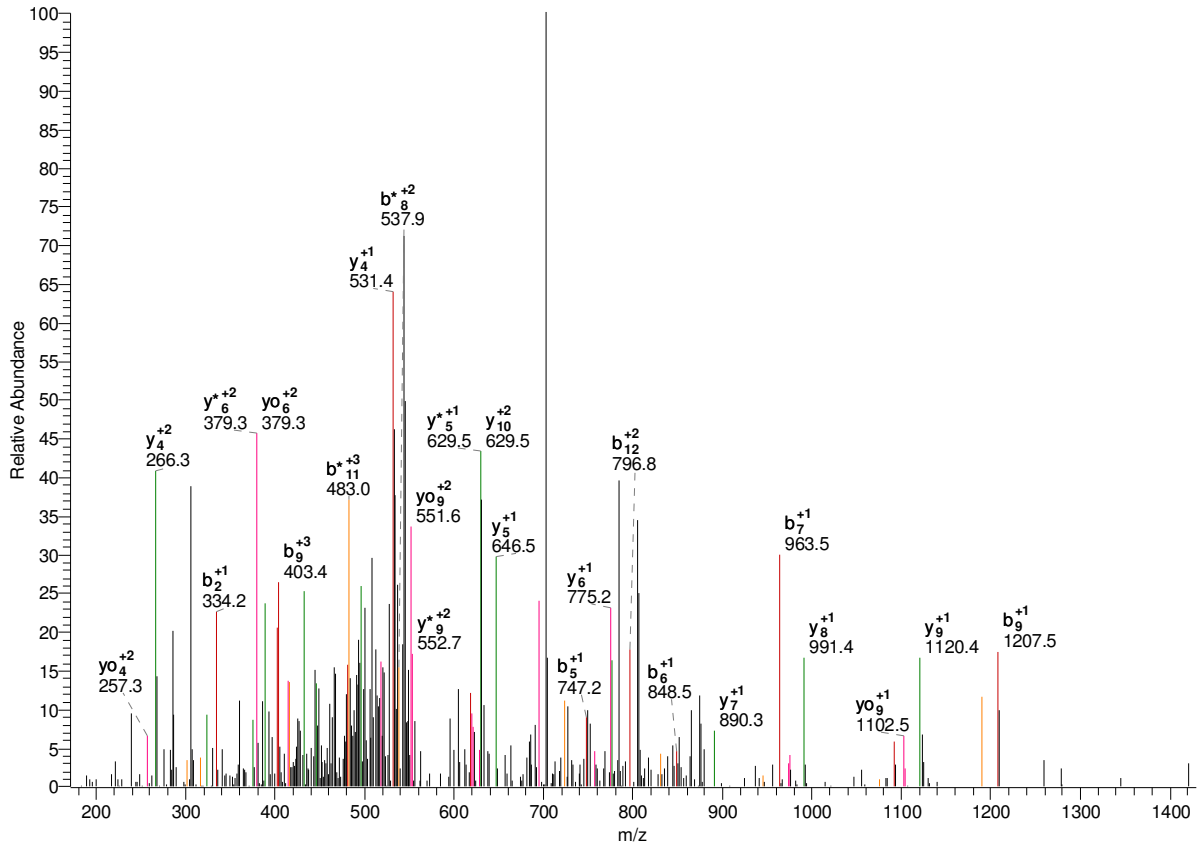
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	15
2	T	272.16	255.13	254.15	1677.80	1660.77	1659.79	14
3	I	385.24	368.22	367.23	1576.75	1559.72	1558.74	13
4	S	472.28	455.25	454.27	1463.66	1446.64	1445.65	12
5	W	658.36	641.33	640.35	1376.63	1359.61	1358.62	11
6	D	773.38	756.36	755.37	1190.55	1173.53	1172.54	10
7	E	902.43	885.40	884.41	1075.53	1058.50	1057.52	9
8	V	1001.49	984.47	983.48	946.48	929.46	928.47	8
9	T	1102.54	1085.51	1084.53	847.42	830.39	829.41	7
10	I	1215.63	1198.60	1197.62	746.37	729.34	728.36	6
11	N	1329.67	1312.64	1311.66	633.28	616.26	615.27	5
12	E	1458.71	1441.68	1440.70	519.24	502.21	501.23	4
13	Q	1586.77	1569.74	1568.76	390.20	373.17	372.19	3
14	D	1701.80	1684.77	1683.79	262.14	245.11	244.13	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	15
2	T	136.58	128.07	127.58	839.40	830.89	830.40	14
3	I	193.13	184.61	184.12	788.88	780.36	779.87	13
4	S	236.64	228.13	227.64	732.34	723.82	723.33	12
5	W	329.68	321.17	320.68	688.82	680.31	679.81	11

6	D	387.20	378.68	378.19	595.78	587.27	586.78	10
7	E	451.72	443.20	442.71	538.27	529.75	529.26	9
8	V	501.25	492.74	492.25	473.75	465.23	464.74	8
9	T	551.77	543.26	542.77	424.21	415.70	415.21	7
10	I	608.32	599.80	599.31	373.69	365.17	364.68	6
11	N	665.34	656.82	656.33	317.15	308.63	308.14	5
12	E	729.86	721.35	720.85	260.12	251.61	251.12	4
13	Q	793.89	785.38	784.88	195.60	187.09	186.60	3
14	D	851.40	842.89	842.40	131.57	123.06	122.57	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1737.81 R.K*YFHETDEDVREK.L
 psu|PF14_0378 | organism=Plasmodium_falciparum_3D7 | product=triose-phosphate
 isomerase | location= 99 - 112
 #792-792 NL: 1.25E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	13
2	Y	334.18	317.15	316.17	1567.70	1550.68	1549.69	12
3	F	481.24	464.22	463.23	1404.64	1387.61	1386.63	11
4	H	618.30	601.28	600.29	1257.57	1240.54	1239.56	10
5	E	747.35	730.32	729.34	1120.51	1103.49	1102.50	9
6	T	848.39	831.37	830.38	991.47	974.44	973.46	8
7	D	963.42	946.39	945.41	890.42	873.39	872.41	7
8	E	1092.46	1075.44	1074.45	775.39	758.37	757.38	6
9	D	1207.49	1190.46	1189.48	646.35	629.33	628.34	5
10	V	1306.56	1289.53	1288.55	531.32	514.30	513.31	4
11	R	1462.66	1445.63	1444.65	432.26	415.23	414.25	3
12	E	1591.70	1574.68	1573.69	276.16	259.13	258.14	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	13
2	Y	167.59	159.08	158.59	784.35	775.84	775.35	12
3	F	241.13	232.61	232.12	702.82	694.31	693.82	11
4	H	309.66	301.14	300.65	629.29	620.78	620.28	10
5	E	374.18	365.66	365.17	560.76	552.25	551.75	9
6	T	424.70	416.19	415.70	496.24	487.72	487.23	8
7	D	482.21	473.70	473.21	445.71	437.20	436.71	7

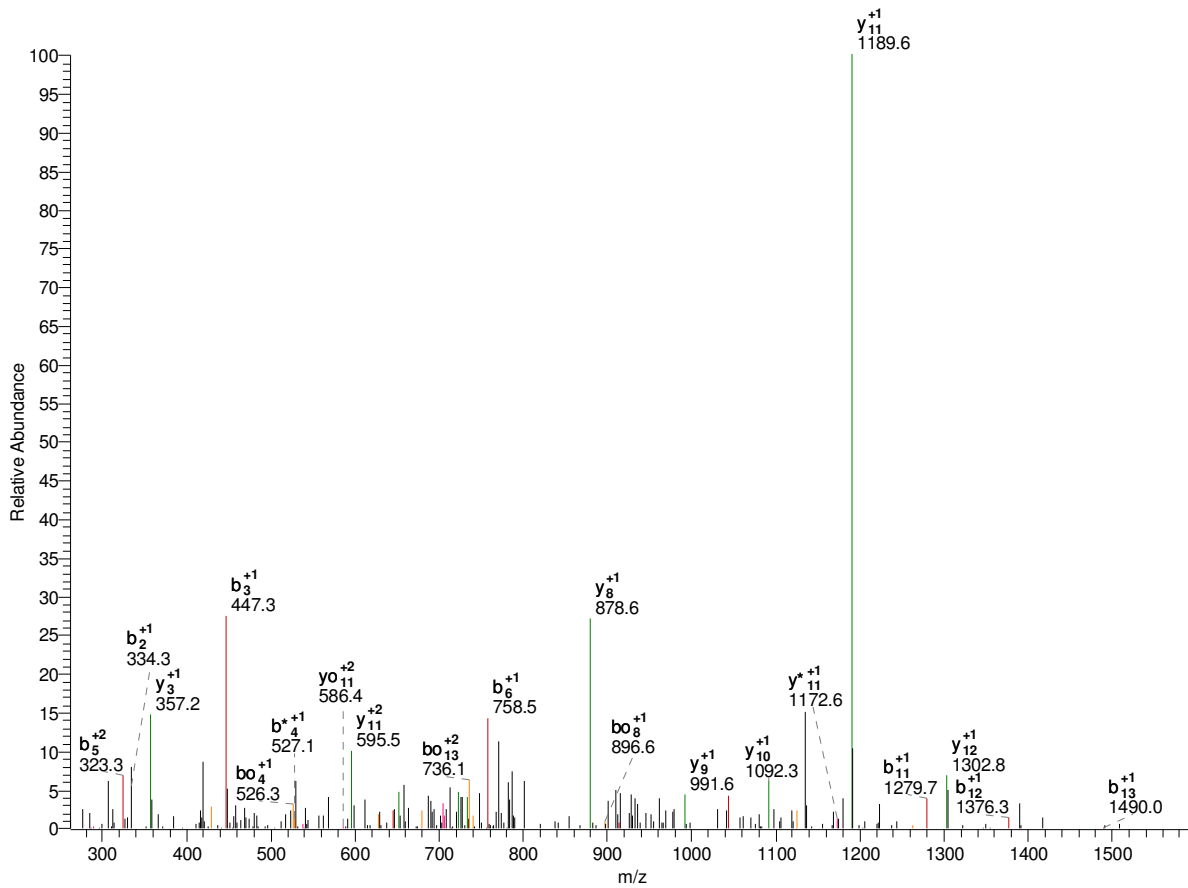
8	E	546.74	538.22	537.73	388.20	379.69	379.20	6
9	D	604.25	595.74	595.24	323.68	315.17	314.67	5
10	V	653.78	645.27	644.78	266.17	257.65	257.16	4
11	R	731.83	723.32	722.83	216.63	208.12	207.63	3
12	E	796.35	787.84	787.35	138.58	130.07	129.58	2
13	K	-	-	-	74.06	65.55	65.05	1

-

		B	B*	B0	Y	Y*	Y0	
1	K*	57.71	52.03	51.71	-	-	-	13
2	Y	112.06	106.39	106.06	523.24	517.56	517.24	12
3	F	161.09	155.41	155.08	468.88	463.21	462.88	11
4	H	206.77	201.10	200.77	419.86	414.19	413.86	10
5	E	249.79	244.11	243.78	374.18	368.50	368.17	9
6	T	283.47	277.79	277.47	331.16	325.49	325.16	8
7	D	321.81	316.14	315.81	297.48	291.80	291.48	7
8	E	364.83	359.15	358.82	259.14	253.46	253.13	6
9	D	403.17	397.49	397.16	216.12	210.45	210.12	5
10	V	436.19	430.52	430.19	177.78	172.10	171.78	4
11	R	488.22	482.55	482.22	144.76	139.08	138.75	3
12	E	531.24	525.56	525.24	92.72	87.05	86.72	2
13	K	-	-	-	49.71	44.03	43.71	1

-

1635.95 K.K*YIPTLGVEVHPLK.F
 psu|PF11_0183 | organism=Plasmodium_falciparum_3D7 | product=GTP-binding nuclear
 protein ran/tc4 | 36 - 50
 #5429-5429 NL: 1.39E2



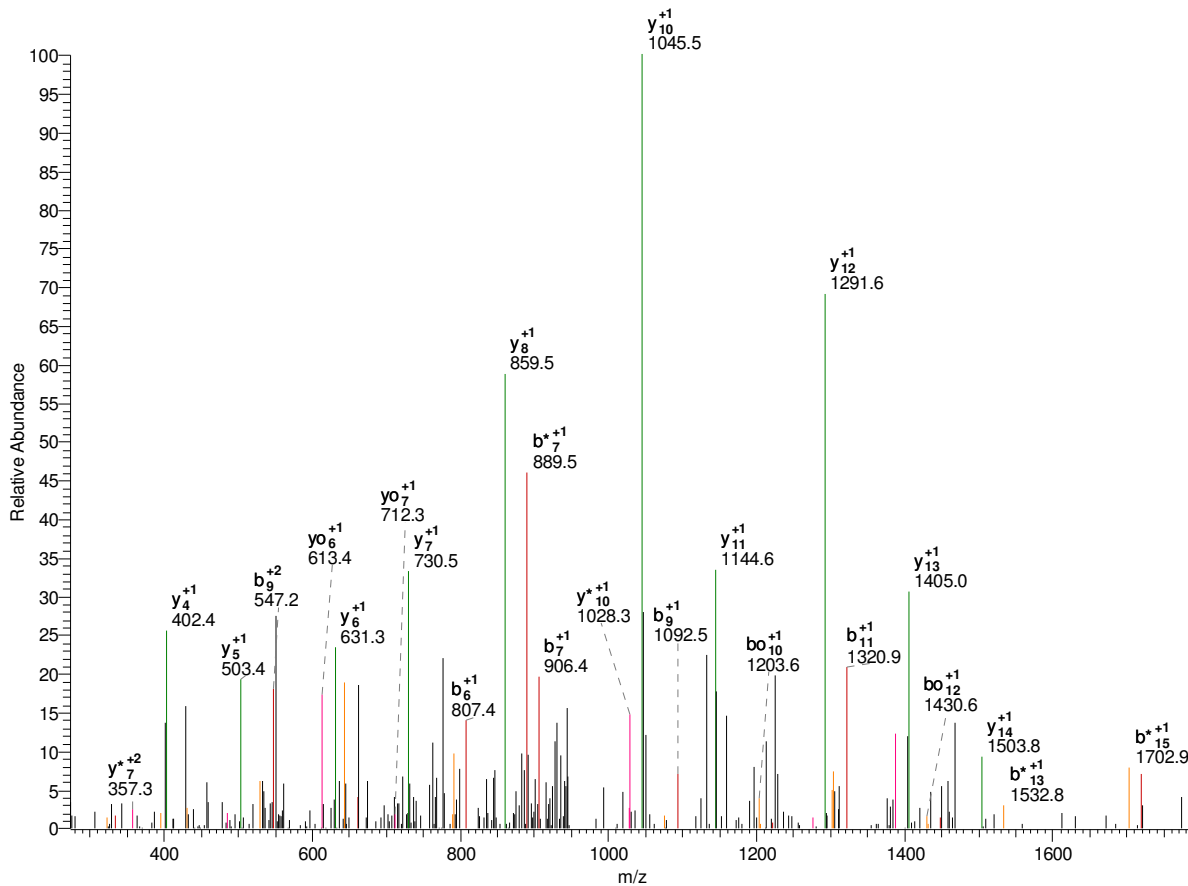
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	14
2	Y	334.18	317.15	316.17	1465.84	1448.81	1447.83	13
3	I	447.26	430.23	429.25	1302.78	1285.75	1284.77	12
4	P	544.31	527.29	526.30	1189.69	1172.67	1171.68	11
5	T	645.36	628.33	627.35	1092.64	1075.61	1074.63	10
6	L	758.44	741.42	740.43	991.59	974.57	973.58	9
7	G	815.47	798.44	797.46	878.51	861.48	860.50	8
8	V	914.53	897.51	896.52	821.49	804.46	803.48	7
9	E	1043.58	1026.55	1025.57	722.42	705.39	704.41	6
10	V	1142.65	1125.62	1124.64	593.38	576.35	575.37	5
11	H	1279.70	1262.68	1261.69	494.31	477.28	476.30	4
12	P	1376.76	1359.73	1358.75	357.25	340.22	339.24	3
13	L	1489.84	1472.81	1471.83	260.20	243.17	242.19	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	14
2	Y	167.59	159.08	158.59	733.42	724.91	724.42	13
3	I	224.13	215.62	215.13	651.89	643.38	642.89	12
4	P	272.66	264.15	263.65	595.35	586.84	586.35	11
5	T	323.18	314.67	314.18	546.82	538.31	537.82	10
6	L	379.73	371.21	370.72	496.30	487.79	487.30	9

7	G	408.24	399.72	399.23	439.76	431.25	430.75	8
8	V	457.77	449.26	448.77	411.25	402.73	402.24	7
9	E	522.29	513.78	513.29	361.71	353.20	352.71	6
10	V	571.83	563.31	562.82	297.19	288.68	288.19	5
11	H	640.36	631.84	631.35	247.66	239.14	238.65	4
12	P	688.88	680.37	679.88	179.13	170.62	170.12	3
13	L	745.42	736.91	736.42	130.60	122.09	121.60	2
14	K	-	-	-	74.06	65.55	65.05	1

-

1951.03 K.K*YNVLFVADEVQTGLGR.T
 psu|PF0435w | organism=Plasmodium_falciparum_3D7 | product=ornithine aminotransferase
 | location=M 224 - 241
 #7338-7338 NL: 8.95E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	17
2	Y	334.18	317.15	316.17	1780.92	1763.90	1762.91	16
3	N	448.22	431.19	430.21	1617.86	1600.83	1599.85	15
4	V	547.29	530.26	529.28	1503.82	1486.79	1485.81	14
5	L	660.37	643.34	642.36	1404.75	1387.72	1386.74	13
6	F	807.44	790.41	789.43	1291.66	1274.64	1273.65	12
7	V	906.51	889.48	888.50	1144.60	1127.57	1126.59	11
8	A	977.55	960.52	959.53	1045.53	1028.50	1027.52	10
9	D	1092.57	1075.55	1074.56	974.49	957.46	956.48	9
10	E	1221.62	1204.59	1203.60	859.46	842.44	841.45	8
11	V	1320.68	1303.66	1302.67	730.42	713.39	712.41	7
12	Q	1448.74	1431.72	1430.73	631.35	614.33	613.34	6
13	T	1549.79	1532.76	1531.78	503.29	486.27	485.28	5
14	G	1606.81	1589.78	1588.80	402.25	385.22	384.24	4
15	L	1719.90	1702.87	1701.88	345.22	328.20	327.21	3
16	G	1776.92	1759.89	1758.91	232.14	215.11	214.13	2
17	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	17
2	Y	167.59	159.08	158.59	890.97	882.45	881.96	16
3	N	224.61	216.10	215.61	809.43	800.92	800.43	15

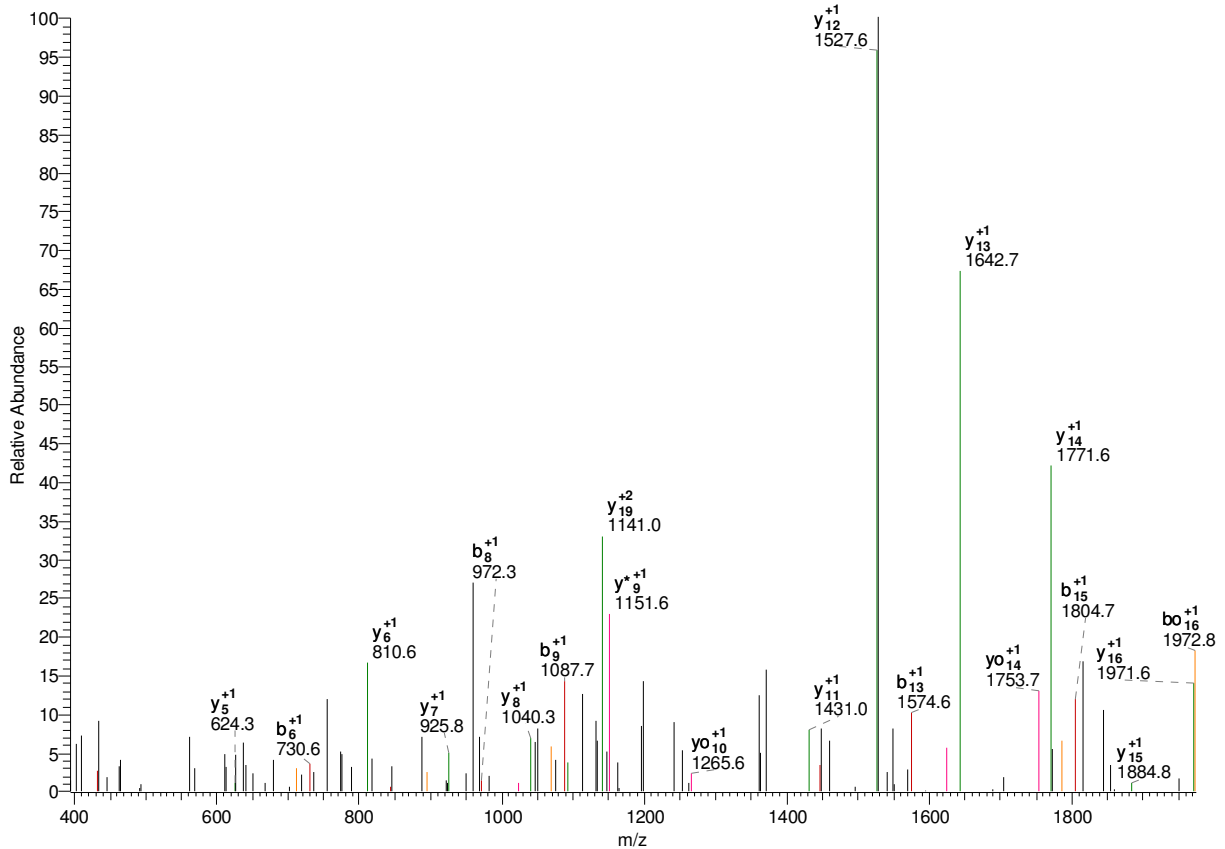
4	V	274.15	265.63	265.14	752.41	743.90	743.41	14
5	L	330.69	322.18	321.68	702.88	694.36	693.87	13
6	F	404.22	395.71	395.22	646.34	637.82	637.33	12
7	V	453.76	445.24	444.75	572.80	564.29	563.80	11
8	A	489.28	480.76	480.27	523.27	514.75	514.26	10
9	D	546.79	538.28	537.78	487.75	479.24	478.74	9
10	E	611.31	602.80	602.31	430.24	421.72	421.23	8
11	V	660.85	652.33	651.84	365.71	357.20	356.71	7
12	Q	724.87	716.36	715.87	316.18	307.67	307.17	6
13	T	775.40	766.89	766.39	252.15	243.64	243.15	5
14	G	803.91	795.40	794.90	201.63	193.11	192.62	4
15	L	860.45	851.94	851.45	173.12	164.60	164.11	3
16	G	888.96	880.45	879.96	116.57	108.06	107.57	2
17	R	-	-	-	88.06	79.55	79.06	1

-

2614.20

K.K*YPIVSIEDPFDQDDWENYAK.L

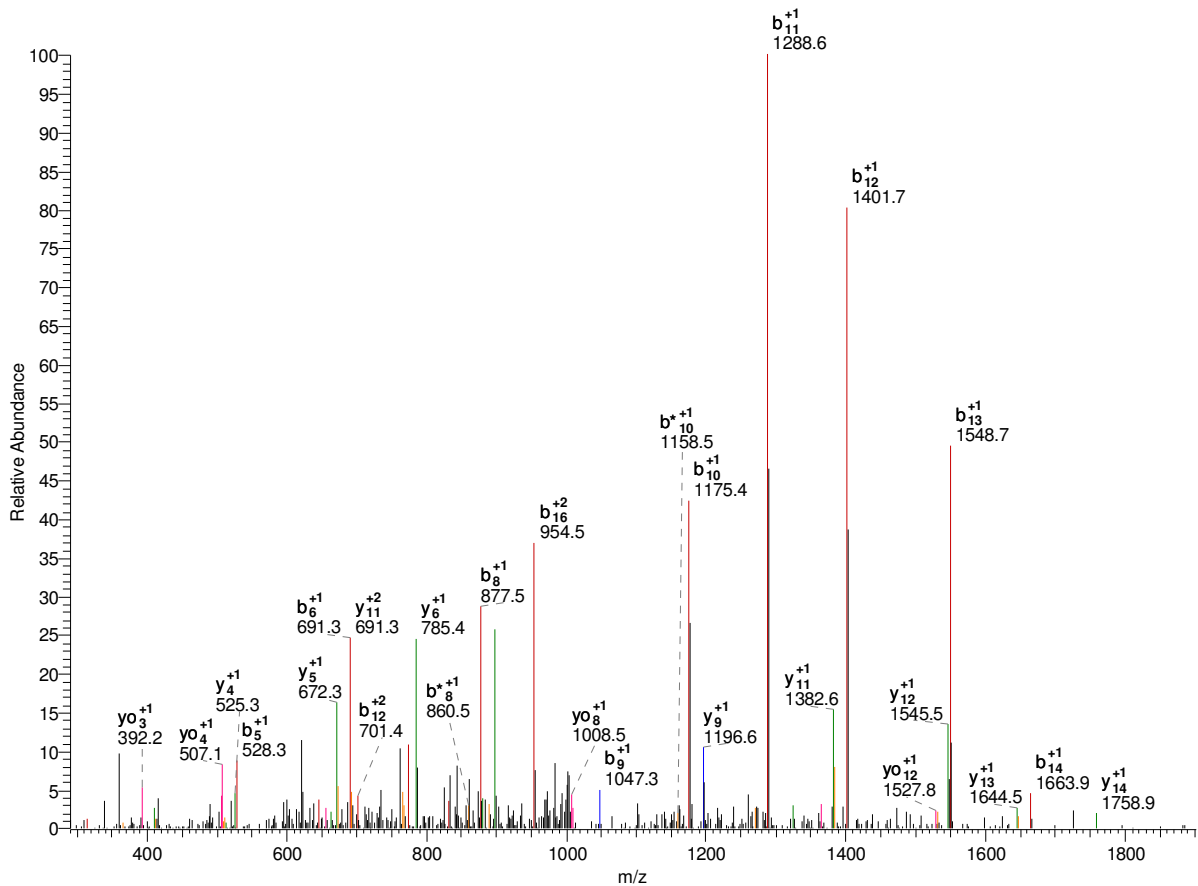
psu|PF10_0155 | organism=Plasmodium_falciparum_3D7 | product=enolase |
 location=MAL10:637137-639010 296 - 317
 #7752-7752 NL: 4.20E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	21
2	Y	334.18	317.15	316.17	2444.09	2427.07	2426.08	20
3	P	431.23	414.20	413.22	2281.03	2264.00	2263.02	19
4	I	544.31	527.29	526.30	2183.98	2166.95	2165.97	18
5	V	643.38	626.35	625.37	2070.89	2053.87	2052.88	17
6	S	730.41	713.39	712.40	1971.82	1954.80	1953.81	16
7	I	843.50	826.47	825.49	1884.79	1867.77	1866.78	15
8	E	972.54	955.51	954.53	1771.71	1754.68	1753.70	14
9	D	1087.57	1070.54	1069.56	1642.67	1625.64	1624.66	13
10	P	1184.62	1167.59	1166.61	1527.64	1510.61	1509.63	12
11	F	1331.69	1314.66	1313.68	1430.59	1413.56	1412.58	11
12	D	1446.72	1429.69	1428.70	1283.52	1266.49	1265.51	10
13	Q	1574.77	1557.75	1556.76	1168.49	1151.46	1150.48	9
14	D	1689.80	1672.77	1671.79	1040.43	1023.41	1022.42	8
15	D	1804.83	1787.80	1786.82	925.41	908.38	907.39	7
16	W	1990.91	1973.88	1972.90	810.38	793.35	792.37	6
17	E	2119.95	2102.92	2101.94	624.30	607.27	606.29	5
18	N	2233.99	2216.97	2215.98	495.26	478.23	477.25	4
19	Y	2397.06	2380.03	2379.05	381.21	364.19	363.20	3
20	A	2468.09	2451.07	2450.08	218.15	201.12	200.14	2
21	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	21
2	Y	167.59	159.08	158.59	1222.55	1214.04	1213.54	20
3	P	216.12	207.60	207.11	1141.02	1132.51	1132.01	19
4	I	272.66	264.15	263.65	1092.49	1083.98	1083.49	18
5	V	322.19	313.68	313.19	1035.95	1027.44	1026.94	17
6	S	365.71	357.20	356.71	986.42	977.90	977.41	16
7	I	422.25	413.74	413.25	942.90	934.39	933.89	15
8	E	486.77	478.26	477.77	886.36	877.84	877.35	14
9	D	544.29	535.77	535.28	821.84	813.32	812.83	13
10	P	592.81	584.30	583.81	764.32	755.81	755.32	12
11	F	666.35	657.83	657.34	715.80	707.28	706.79	11
12	D	723.86	715.35	714.86	642.26	633.75	633.26	10
13	Q	787.89	779.38	778.89	584.75	576.24	575.74	9
14	D	845.40	836.89	836.40	520.72	512.21	511.71	8
15	D	902.92	894.40	893.91	463.21	454.69	454.20	7
16	W	995.96	987.44	986.95	405.69	397.18	396.69	6
17	E	1060.48	1051.97	1051.47	312.65	304.14	303.65	5
18	N	1117.50	1108.99	1108.49	248.13	239.62	239.13	4
19	Y	1199.03	1190.52	1190.03	191.11	182.60	182.10	3
20	A	1234.55	1226.04	1225.54	109.58	101.07	100.57	2
21	K	-	-	-	74.06	65.55	65.05	1

2072.98 K.KGENVYGEK*QILFDEDF
 psu|PF10_0154 | organism=Plasmodium_falciparum_3D7 | product=ribonucleotide reductase
 small subunit 307 - 323
 #8107-8107 NL: 3.31E2



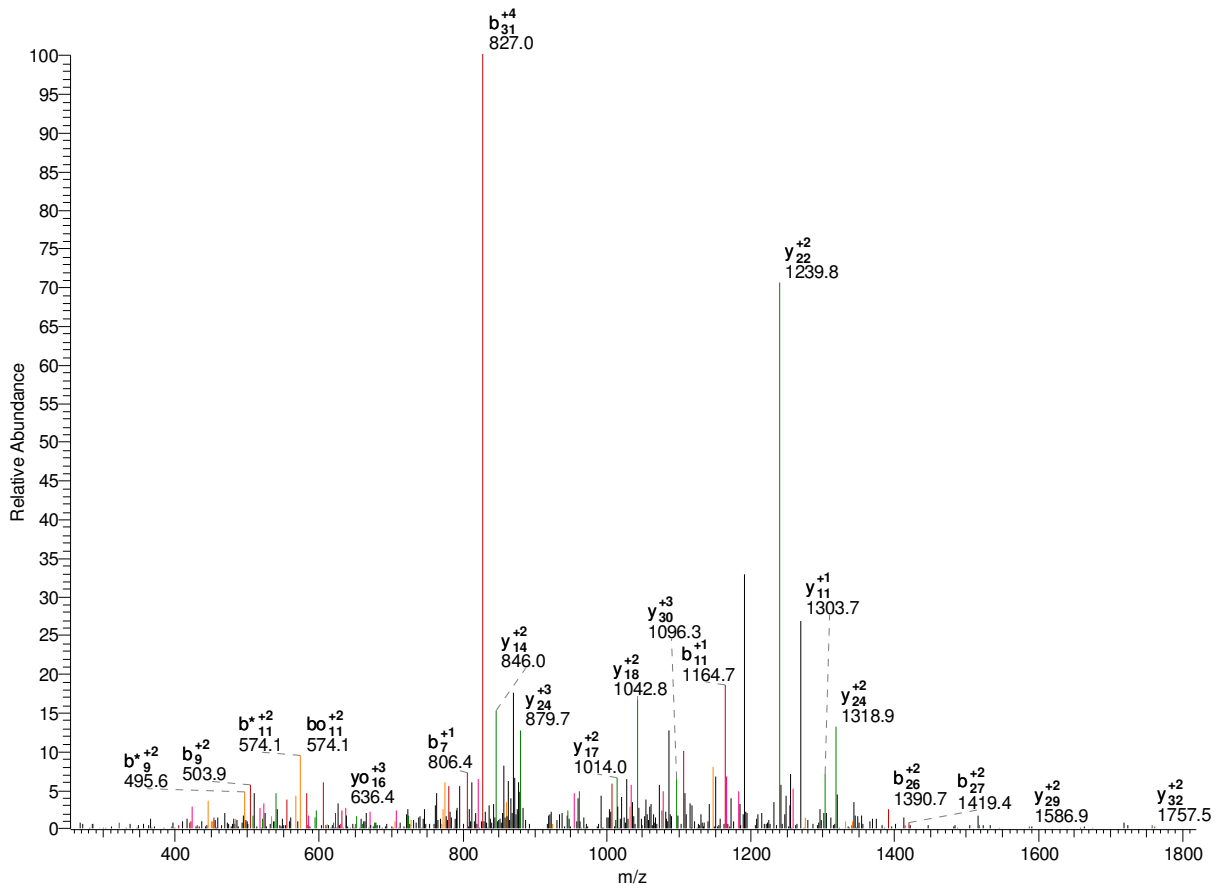
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	17
2	G	186.12	169.10	168.11	1944.89	1927.86	1926.88	16
3	E	315.17	298.14	297.16	1887.86	1870.84	1869.85	15
4	N	429.21	412.18	411.20	1758.82	1741.80	1740.81	14
5	V	528.28	511.25	510.27	1644.78	1627.75	1626.77	13
6	Y	691.34	674.31	673.33	1545.71	1528.68	1527.70	12
7	G	748.36	731.34	730.35	1382.65	1365.62	1364.64	11
8	E	877.41	860.38	859.39	1325.63	1308.60	1307.62	10
9	K*	1047.51	1030.48	1029.50	1196.58	1179.56	1178.57	9
10	Q	1175.57	1158.54	1157.56	1026.48	1009.45	1008.47	8
11	I	1288.65	1271.63	1270.64	898.42	881.39	880.41	7
12	L	1401.74	1384.71	1383.73	785.34	768.31	767.32	6
13	F	1548.81	1531.78	1530.80	672.25	655.22	654.24	5
14	D	1663.83	1646.81	1645.82	525.18	508.16	507.17	4
15	E	1792.88	1775.85	1774.86	410.16	393.13	392.15	3
16	D	1907.90	1890.88	1889.89	281.11	264.09	263.10	2
17	F	-	-	-	166.09	149.06	148.08	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	17
2	G	93.57	85.05	84.56	972.95	964.43	963.94	16
3	E	158.09	149.57	149.08	944.44	935.92	935.43	15

4	N	215.11	206.59	206.10	879.91	871.40	870.91	14
5	V	264.64	256.13	255.64	822.89	814.38	813.89	13
6	Y	346.17	337.66	337.17	773.36	764.85	764.35	12
7	G	374.68	366.17	365.68	691.83	683.31	682.82	11
8	E	439.21	430.69	430.20	663.32	654.80	654.31	10
9	K*	524.26	515.75	515.25	598.80	590.28	589.79	9
10	Q	588.29	579.77	579.28	513.74	505.23	504.74	8
11	I	644.83	636.32	635.82	449.71	441.20	440.71	7
12	L	701.37	692.86	692.37	393.17	384.66	384.17	6
13	F	774.91	766.39	765.90	336.63	328.12	327.62	5
14	D	832.42	823.91	823.41	263.10	254.58	254.09	4
15	E	896.94	888.43	887.94	205.58	197.07	196.58	3
16	D	954.45	945.94	945.45	141.06	132.55	132.05	2
17	F	-	-	-	83.55	75.03	74.54	1

-

3641.88 K.KINLHSITVTGPPLSGTFSK*MEDINVGHQGFFK.Q
 psu|PF08_0091 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 339 - 372
 #8643-8643 NL: 3.53E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	33
2	I	242.19	225.16	224.18	3513.78	3496.76	3495.77	32
3	N	356.23	339.20	338.22	3400.70	3383.67	3382.69	31
4	L	469.31	452.29	451.30	3286.66	3269.63	3268.65	30
5	H	606.37	589.35	588.36	3173.57	3156.55	3155.56	29
6	S	693.40	676.38	675.39	3036.51	3019.49	3018.50	28
7	I	806.49	789.46	788.48	2949.48	2932.45	2931.47	27
8	T	907.54	890.51	889.53	2836.40	2819.37	2818.39	26
9	V	1006.60	989.58	988.59	2735.35	2718.32	2717.34	25
10	T	1107.65	1090.63	1089.64	2636.28	2619.25	2618.27	24
11	G	1164.67	1147.65	1146.66	2535.23	2518.21	2517.22	23
12	P	1261.73	1244.70	1243.72	2478.21	2461.19	2460.20	22
13	P	1358.78	1341.75	1340.77	2381.16	2364.13	2363.15	21
14	L	1471.86	1454.84	1453.85	2284.11	2267.08	2266.10	20
15	S	1558.90	1541.87	1540.88	2171.02	2154.00	2153.01	19
16	G	1615.92	1598.89	1597.91	2083.99	2066.96	2065.98	18
17	T	1716.96	1699.94	1698.95	2026.97	2009.94	2008.96	17
18	F	1864.03	1847.01	1846.02	1925.92	1908.89	1907.91	16
19	S	1951.06	1934.04	1933.05	1778.85	1761.83	1760.84	15
20	K	2079.16	2062.13	2061.15	1691.82	1674.79	1673.81	14
21	M	2210.20	2193.17	2192.19	1563.73	1546.70	1545.72	13
22	E	2339.24	2322.22	2321.23	1432.69	1415.66	1414.67	12

23	D	2454.27	2437.24	2436.26	1303.64	1286.62	1285.63	11
24	I	2567.35	2550.33	2549.34	1188.62	1171.59	1170.61	10
25	N	2681.40	2664.37	2663.39	1075.53	1058.51	1057.52	9
26	V	2780.47	2763.44	2762.45	961.49	944.46	943.48	8
27	G	2837.49	2820.46	2819.48	862.42	845.39	844.41	7
28	H	2974.55	2957.52	2956.53	805.40	788.37	787.39	6
29	Q	3102.60	3085.58	3084.59	668.34	651.31	650.33	5
30	G	3159.63	3142.60	3141.61	540.28	523.26	522.27	4
31	F	3306.69	3289.67	3288.68	483.26	466.23	465.25	3
32	F	3453.76	3436.74	3435.75	336.19	319.17	318.18	2
33	K*	-	-	-	189.12	172.10	171.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	33
2	I	121.60	113.08	112.59	1757.40	1748.88	1748.39	32
3	N	178.62	170.10	169.61	1700.85	1692.34	1691.85	31
4	L	235.16	226.65	226.16	1643.83	1635.32	1634.83	30
5	H	303.69	295.18	294.68	1587.29	1578.78	1578.28	29
6	S	347.21	338.69	338.20	1518.76	1510.25	1509.76	28
7	I	403.75	395.23	394.74	1475.24	1466.73	1466.24	27
8	T	454.27	445.76	445.27	1418.70	1410.19	1409.70	26
9	V	503.81	495.29	494.80	1368.18	1359.67	1359.17	25
10	T	554.33	545.82	545.32	1318.64	1310.13	1309.64	24
11	G	582.84	574.33	573.84	1268.12	1259.61	1259.12	23
12	P	631.37	622.85	622.36	1239.61	1231.10	1230.60	22
13	P	679.89	671.38	670.89	1191.08	1182.57	1182.08	21
14	L	736.44	727.92	727.43	1142.56	1134.04	1133.55	20
15	S	779.95	771.44	770.95	1086.01	1077.50	1077.01	19
16	G	808.46	799.95	799.46	1042.50	1033.99	1033.49	18
17	T	858.99	850.47	849.98	1013.99	1005.47	1004.98	17
18	F	932.52	924.01	923.51	963.46	954.95	954.46	16
19	S	976.04	967.52	967.03	889.93	881.42	880.92	15
20	K	1040.08	1031.57	1031.08	846.41	837.90	837.41	14
21	M	1105.60	1097.09	1096.60	782.37	773.85	773.36	13
22	E	1170.13	1161.61	1161.12	716.85	708.33	707.84	12
23	D	1227.64	1219.13	1218.63	652.33	643.81	643.32	11
24	I	1284.18	1275.67	1275.18	594.81	586.30	585.81	10
25	N	1341.20	1332.69	1332.20	538.27	529.76	529.26	9
26	V	1390.74	1382.22	1381.73	481.25	472.73	472.24	8
27	G	1419.25	1410.73	1410.24	431.71	423.20	422.71	7
28	H	1487.78	1479.26	1478.77	403.20	394.69	394.20	6
29	Q	1551.81	1543.29	1542.80	334.67	326.16	325.67	5
30	G	1580.32	1571.80	1571.31	270.64	262.13	261.64	4
31	F	1653.85	1645.34	1644.85	242.13	233.62	233.13	3
32	F	1727.38	1718.87	1718.38	168.60	160.09	159.59	2
33	K*	-	-	-	95.07	86.55	86.06	1

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K	43.71	38.03	37.70	-	-	-	33
2	I	81.40	75.72	75.40	1171.93	1166.26	1165.93	32
3	N	119.41	113.74	113.41	1134.24	1128.56	1128.23	31
4	L	157.11	151.43	151.11	1096.22	1090.55	1090.22	30
5	H	202.80	197.12	196.79	1058.53	1052.85	1052.53	29
6	S	231.81	226.13	225.80	1012.84	1007.17	1006.84	28
7	I	269.50	263.83	263.50	983.83	978.16	977.83	27
8	T	303.18	297.51	297.18	946.14	940.46	940.13	26
9	V	336.21	330.53	330.20	912.45	906.78	906.45	25
10	T	369.89	364.21	363.89	879.43	873.76	873.43	24

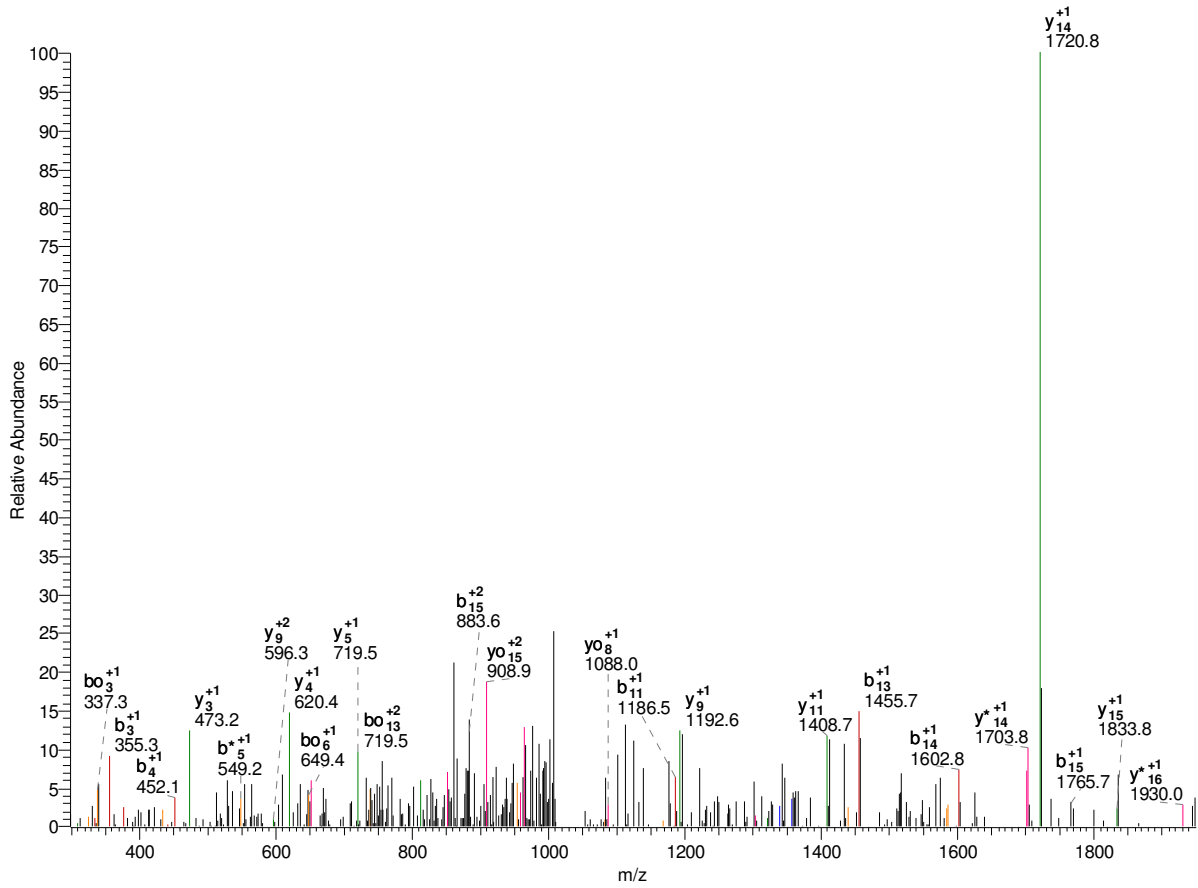
11	G	388.90	383.22	382.89	845.75	840.07	839.75	23
12	P	421.25	415.57	415.24	826.74	821.07	820.74	22
13	P	453.60	447.92	447.59	794.39	788.72	788.39	21
14	L	491.29	485.62	485.29	762.04	756.36	756.04	20
15	S	520.30	514.63	514.30	724.35	718.67	718.34	19
16	G	539.31	533.63	533.31	695.34	689.66	689.33	18
17	T	572.99	567.32	566.99	676.33	670.65	670.32	17
18	F	622.02	616.34	616.01	642.65	636.97	636.64	16
19	S	651.03	645.35	645.02	593.62	587.95	587.62	15
20	K	693.72	688.05	687.72	564.61	558.94	558.61	14
21	M	737.40	731.73	731.40	521.91	516.24	515.91	13
22	E	780.42	774.74	774.42	478.23	472.56	472.23	12
23	D	818.76	813.09	812.76	435.22	429.54	429.22	11
24	I	856.46	850.78	850.45	396.88	391.20	390.87	10
25	N	894.47	888.79	888.47	359.18	353.51	353.18	9
26	V	927.49	921.82	921.49	321.17	315.49	315.16	8
27	G	946.50	940.82	940.50	288.15	282.47	282.14	7
28	H	992.19	986.51	986.18	269.14	263.46	263.13	6
29	Q	1034.87	1029.20	1028.87	223.45	217.78	217.45	5
30	G	1053.88	1048.20	1047.88	180.77	175.09	174.76	4
31	F	1102.90	1097.23	1096.90	161.76	156.08	155.75	3
32	F	1151.93	1146.25	1145.92	112.74	107.06	106.73	2
33	K*	-	-	-	63.71	58.04	57.71	1

-

+4 Ions		B	B*	B0	Y	Y*	Y0	
1	K	33.03	28.77	28.53	-	-	-	33
2	I	61.30	57.05	56.80	879.20	874.94	874.70	32
3	N	89.81	85.56	85.31	850.93	846.67	846.43	31
4	L	118.08	113.83	113.58	822.42	818.16	817.92	30
5	H	152.35	148.09	147.85	794.15	789.89	789.65	29
6	S	174.11	169.85	169.60	759.88	755.63	755.38	28
7	I	202.38	198.12	197.87	738.13	733.87	733.62	27
8	T	227.64	223.38	223.14	709.85	705.60	705.35	26
9	V	252.41	248.15	247.90	684.59	680.34	680.09	25
10	T	277.67	273.41	273.17	659.83	655.57	655.32	24
11	G	291.92	287.67	287.42	634.56	630.31	630.06	23
12	P	316.19	311.93	311.68	620.31	616.05	615.81	22
13	P	340.45	336.19	335.95	596.05	591.79	591.54	21
14	L	368.72	364.46	364.22	571.78	567.53	567.28	20
15	S	390.48	386.22	385.98	543.51	539.25	539.01	19
16	G	404.73	400.48	400.23	521.75	517.50	517.25	18
17	T	430.00	425.74	425.49	507.50	503.24	503.00	17
18	F	466.76	462.51	462.26	482.24	477.98	477.73	16
19	S	488.52	484.27	484.02	445.47	441.21	440.97	15
20	K	520.55	516.29	516.04	423.71	419.45	419.21	14
21	M	553.31	549.05	548.80	391.69	387.43	387.18	13
22	E	585.57	581.31	581.06	358.93	354.67	354.42	12
23	D	614.32	610.07	609.82	326.67	322.41	322.16	11
24	I	642.59	638.34	638.09	297.91	293.65	293.41	10
25	N	671.10	666.85	666.60	269.64	265.38	265.14	9
26	V	695.87	691.62	691.37	241.13	236.87	236.63	8
27	G	710.13	705.87	705.62	216.36	212.10	211.86	7
28	H	744.39	740.14	739.89	202.11	197.85	197.60	6
29	Q	776.41	772.15	771.90	167.84	163.58	163.34	5
30	G	790.66	786.41	786.16	135.83	131.57	131.32	4
31	F	827.43	823.17	822.93	121.57	117.31	117.07	3
32	F	864.20	859.94	859.69	84.80	80.55	80.30	2
33	K*	-	-	-	48.04	43.78	43.53	1

-

2075.07 K.KLIPNTSESESK*VFYYK.M
 psu|MAL8P1.69 | organism=Plasmodium_falciparum_3D7 | product=14-3-3 protein homologue,
 putative | 1 118 - 135
 #4872-4872 NL: 1.11E2



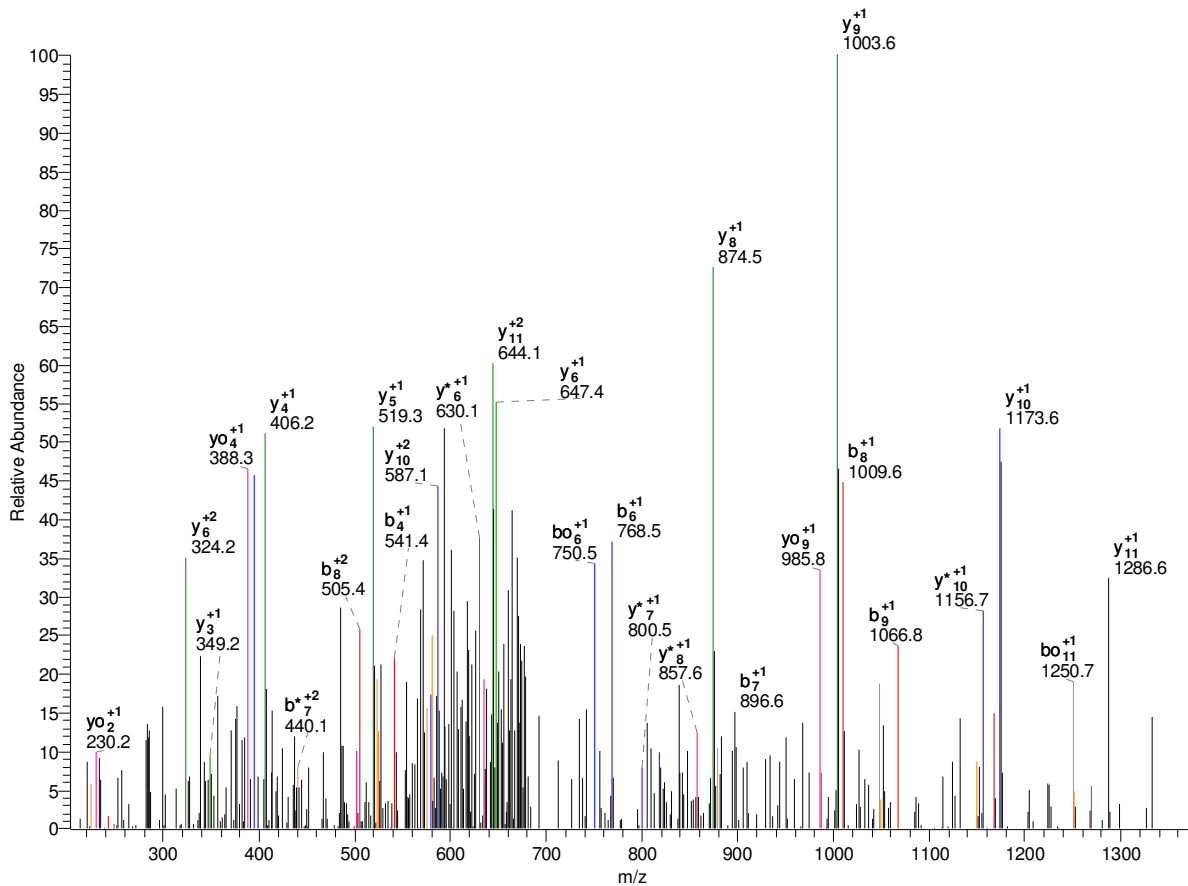
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	17
2	L	242.19	225.16	224.18	1946.97	1929.95	1928.96	16
3	I	355.27	338.24	337.26	1833.89	1816.86	1815.88	15
4	P	452.32	435.30	434.31	1720.81	1703.78	1702.80	14
5	N	566.37	549.34	548.36	1623.75	1606.73	1605.74	13
6	T	667.41	650.39	649.40	1509.71	1492.68	1491.70	12
7	S	754.45	737.42	736.44	1408.66	1391.64	1390.65	11
8	E	883.49	866.46	865.48	1321.63	1304.60	1303.62	10
9	S	970.52	953.49	952.51	1192.59	1175.56	1174.58	9
10	E	1099.56	1082.54	1081.55	1105.56	1088.53	1087.55	8
11	S	1186.60	1169.57	1168.58	976.51	959.49	958.50	7
12	K*	1356.70	1339.67	1338.69	889.48	872.46	871.47	6
13	V	1455.77	1438.74	1437.76	719.38	702.35	701.37	5
14	F	1602.84	1585.81	1584.83	620.31	603.28	602.30	4
15	Y	1765.90	1748.87	1747.89	473.24	456.21	455.23	3
16	Y	1928.96	1911.94	1910.95	310.18	293.15	292.17	2
17	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	17
2	L	121.60	113.08	112.59	973.99	965.48	964.99	16
3	I	178.14	169.63	169.13	917.45	908.94	908.44	15

4	P	226.67	218.15	217.66	860.91	852.39	851.90	14
5	N	283.69	275.17	274.68	812.38	803.87	803.38	13
6	T	334.21	325.70	325.21	755.36	746.85	746.35	12
7	S	377.73	369.21	368.72	704.84	696.32	695.83	11
8	E	442.25	433.73	433.24	661.32	652.81	652.31	10
9	S	485.76	477.25	476.76	596.80	588.28	587.79	9
10	E	550.29	541.77	541.28	553.28	544.77	544.28	8
11	S	593.80	585.29	584.80	488.76	480.25	479.76	7
12	K*	678.85	670.34	669.85	445.24	436.73	436.24	6
13	V	728.39	719.87	719.38	360.19	351.68	351.19	5
14	F	801.92	793.41	792.92	310.66	302.14	301.65	4
15	Y	883.45	874.94	874.45	237.12	228.61	228.12	3
16	Y	964.99	956.47	955.98	155.59	147.08	146.59	2
17	K	-	-	-	74.06	65.55	65.05	1

-

1414.83 K.KLK*EGK*QIGTK.R
 psu|PF13_0287 | organism=Plasmodium_falciparum_3D7 | product=adenylosuccinate
 synthetase | location 130 - 142
 #1043-1043 NL: 5.53E1



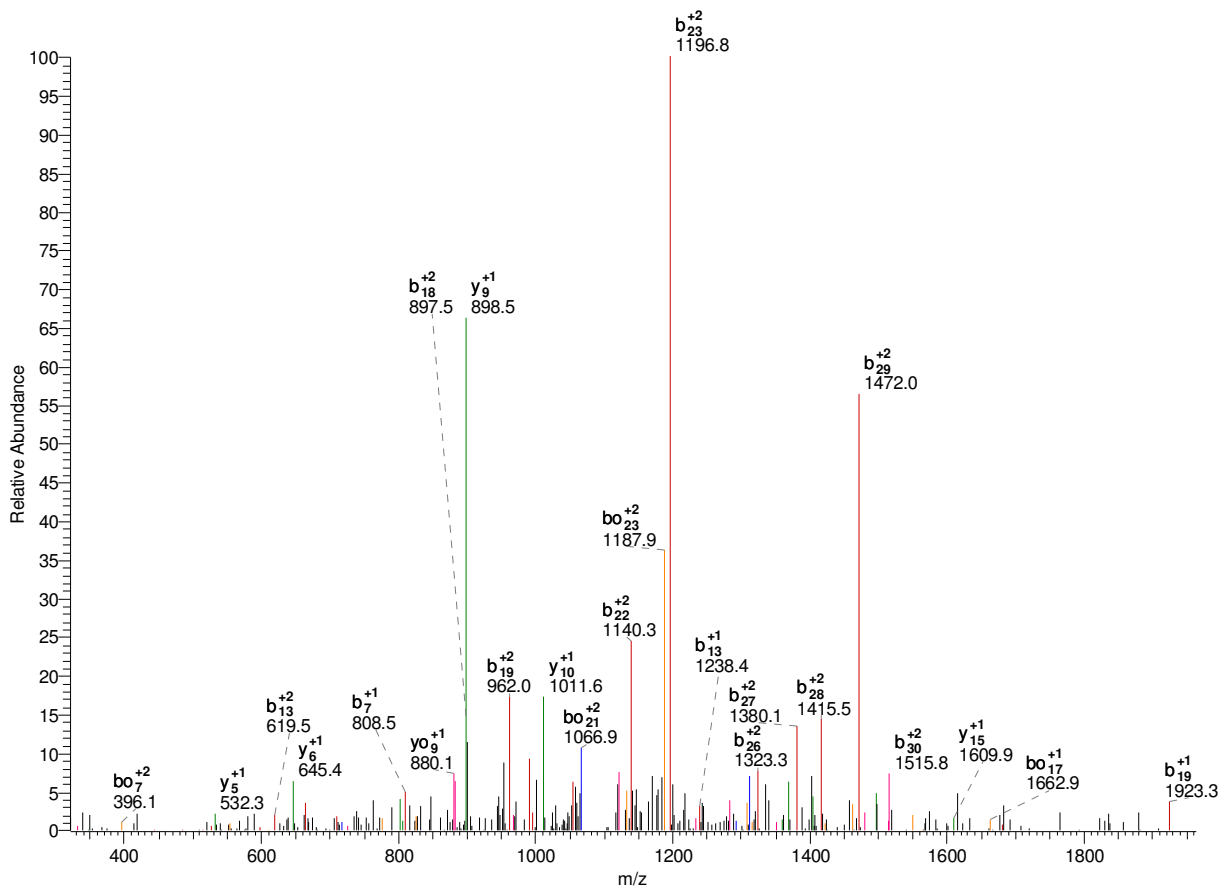
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	12
2	L	242.19	225.16	224.18	1286.73	1269.70	1268.72	11
3	K*	412.29	395.27	394.28	1173.65	1156.62	1155.64	10
4	E	541.33	524.31	523.32	1003.54	986.52	985.53	9
5	G	598.36	581.33	580.35	874.50	857.47	856.49	8
6	K*	768.46	751.43	750.45	817.48	800.45	799.47	7
7	Q	896.52	879.49	878.51	647.37	630.35	629.36	6
8	I	1009.60	992.58	991.59	519.31	502.29	501.30	5
9	G	1066.63	1049.60	1048.61	406.23	389.20	388.22	4
10	T	1167.67	1150.65	1149.66	349.21	332.18	331.20	3
11	T	1268.72	1251.69	1250.71	248.16	231.13	230.15	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	12
2	L	121.60	113.08	112.59	643.87	635.36	634.86	11
3	K*	206.65	198.14	197.64	587.33	578.81	578.32	10
4	E	271.17	262.66	262.17	502.27	493.76	493.27	9
5	G	299.68	291.17	290.68	437.75	429.24	428.75	8
6	K*	384.73	376.22	375.73	409.24	400.73	400.24	7
7	Q	448.76	440.25	439.76	324.19	315.68	315.18	6
8	I	505.31	496.79	496.30	260.16	251.65	251.16	5

9	G	533.82	525.30	524.81	203.62	195.11	194.61	4
10	T	584.34	575.83	575.33	175.11	166.59	166.10	3
11	T	634.86	626.35	625.86	124.58	116.07	115.58	2
12	K	-	-	-	74.06	65.55	65.05	1

—

3289.76 K.KNEISHVSTGGGASLELLEGG*ELPGVLALSNK
 psu|PF1105w | organism=Plasmodium_falciparum_3D7 | product=Phosphoglycerate kinase |
 location=MAL9384 - 415
 #9068-9068 NL: 1.92E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	32
2	N	243.15	226.12	225.13	3161.67	3144.64	3143.66	31
3	E	372.19	355.16	354.18	3047.63	3030.60	3029.62	30
4	I	485.27	468.25	467.26	2918.58	2901.56	2900.57	29
5	S	572.30	555.28	554.29	2805.50	2788.47	2787.49	28
6	H	709.36	692.34	691.35	2718.47	2701.44	2700.46	27
7	V	808.43	791.40	790.42	2581.41	2564.38	2563.40	26
8	S	895.46	878.44	877.45	2482.34	2465.31	2464.33	25
9	T	996.51	979.48	978.50	2395.31	2378.28	2377.30	24
10	G	1053.53	1036.51	1035.52	2294.26	2277.23	2276.25	23
11	G	1110.55	1093.53	1092.54	2237.24	2220.21	2219.23	22
12	G	1167.58	1150.55	1149.56	2180.22	2163.19	2162.21	21
13	A	1238.61	1221.59	1220.60	2123.20	2106.17	2105.19	20
14	S	1325.64	1308.62	1307.63	2052.16	2035.13	2034.15	19
15	L	1438.73	1421.70	1420.72	1965.13	1948.10	1947.12	18
16	E	1567.77	1550.74	1549.76	1852.04	1835.02	1834.03	17
17	L	1680.86	1663.83	1662.84	1723.00	1705.97	1704.99	16
18	L	1793.94	1776.91	1775.93	1609.92	1592.89	1591.91	15
19	E	1922.98	1905.96	1904.97	1496.83	1479.81	1478.82	14
20	G	1980.00	1962.98	1961.99	1367.79	1350.76	1349.78	13
21	K*	2150.11	2133.08	2132.10	1310.77	1293.74	1292.76	12
22	E	2279.15	2262.12	2261.14	1140.66	1123.64	1122.65	11

23	L	2392.24	2375.21	2374.22	1011.62	994.59	993.61	10
24	P	2489.29	2472.26	2471.28	898.54	881.51	880.53	9
25	G	2546.31	2529.28	2528.30	801.48	784.46	783.47	8
26	V	2645.38	2628.35	2627.37	744.46	727.43	726.45	7
27	L	2758.46	2741.44	2740.45	645.39	628.37	627.38	6
28	A	2829.50	2812.47	2811.49	532.31	515.28	514.30	5
29	L	2942.58	2925.56	2924.57	461.27	444.25	443.26	4
30	S	3029.62	3012.59	3011.60	348.19	331.16	330.18	3
31	N	3143.66	3126.63	3125.65	261.16	244.13	243.15	2
32	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	32
2	N	122.08	113.56	113.07	1581.34	1572.82	1572.33	31
3	E	186.60	178.08	177.59	1524.32	1515.80	1515.31	30
4	I	243.14	234.63	234.13	1459.80	1451.28	1450.79	29
5	S	286.66	278.14	277.65	1403.25	1394.74	1394.25	28
6	H	355.19	346.67	346.18	1359.74	1351.22	1350.73	27
7	V	404.72	396.21	395.71	1291.21	1282.69	1282.20	26
8	S	448.24	439.72	439.23	1241.67	1233.16	1232.67	25
9	T	498.76	490.25	489.75	1198.16	1189.64	1189.15	24
10	G	527.27	518.76	518.26	1147.63	1139.12	1138.63	23
11	G	555.78	547.27	546.78	1119.12	1110.61	1110.12	22
12	G	584.29	575.78	575.29	1090.61	1082.10	1081.61	21
13	A	619.81	611.30	610.80	1062.10	1053.59	1053.10	20
14	S	663.33	654.81	654.32	1026.58	1018.07	1017.58	19
15	L	719.87	711.35	710.86	983.07	974.55	974.06	18
16	E	784.39	775.88	775.38	926.52	918.01	917.52	17
17	L	840.93	832.42	831.93	862.00	853.49	853.00	16
18	L	897.47	888.96	888.47	805.46	796.95	796.46	15
19	E	961.99	953.48	952.99	748.92	740.41	739.91	14
20	G	990.51	981.99	981.50	684.40	675.89	675.39	13
21	K*	1075.56	1067.04	1066.55	655.89	647.37	646.88	12
22	E	1140.08	1131.57	1131.07	570.83	562.32	561.83	11
23	L	1196.62	1188.11	1187.62	506.31	497.80	497.31	10
24	P	1245.15	1236.63	1236.14	449.77	441.26	440.77	9
25	G	1273.66	1265.15	1264.65	401.25	392.73	392.24	8
26	V	1323.19	1314.68	1314.19	372.73	364.22	363.73	7
27	L	1379.73	1371.22	1370.73	323.20	314.69	314.19	6
28	A	1415.25	1406.74	1406.25	266.66	258.14	257.65	5
29	L	1471.80	1463.28	1462.79	231.14	222.63	222.13	4
30	S	1515.31	1506.80	1506.31	174.60	166.08	165.59	3
31	N	1572.33	1563.82	1563.33	131.08	122.57	122.08	2
32	K	-	-	-	74.06	65.55	65.05	1

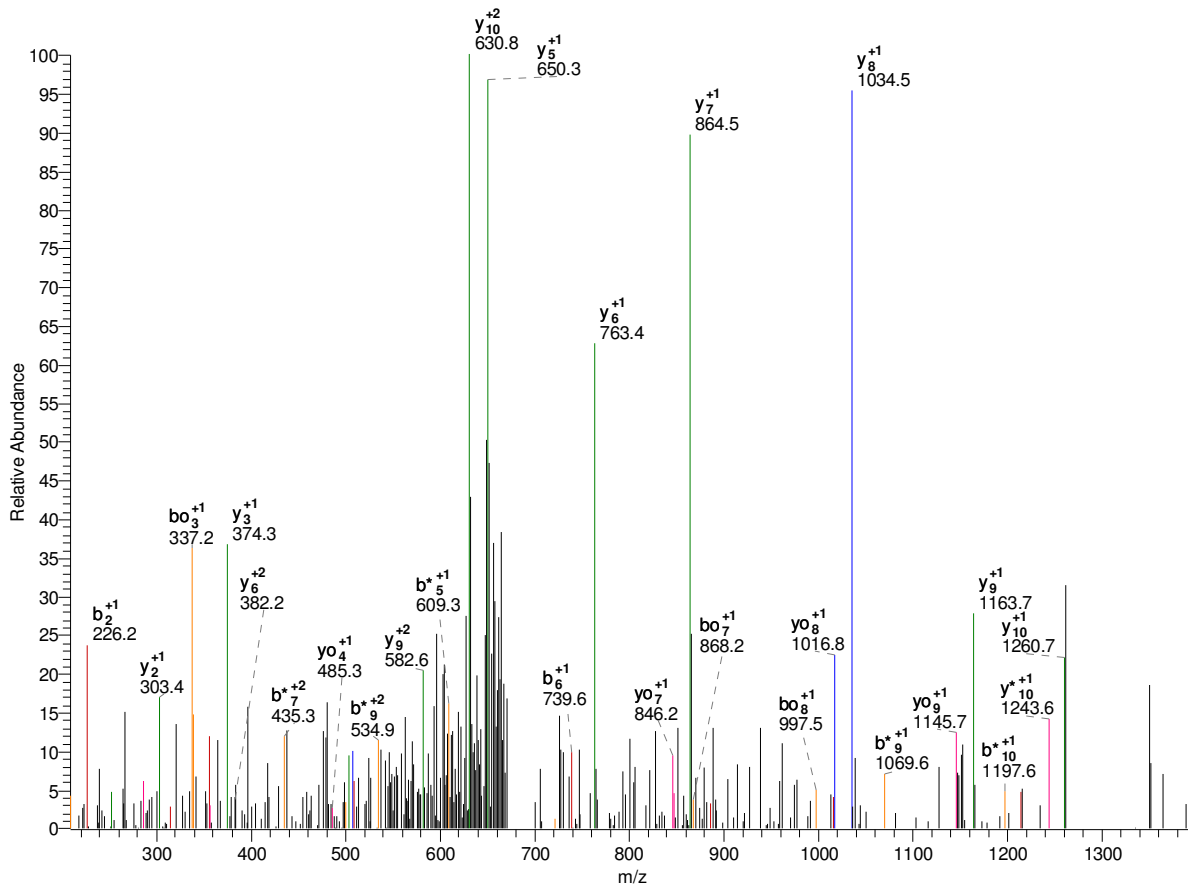
-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K	43.71	38.03	37.70	-	-	-	32
2	N	81.72	76.04	75.72	1054.56	1048.89	1048.56	31
3	E	124.73	119.06	118.73	1016.55	1010.87	1010.54	30
4	I	162.43	156.75	156.43	973.53	967.86	967.53	29
5	S	191.44	185.76	185.44	935.84	930.16	929.83	28
6	H	237.13	231.45	231.12	906.83	901.15	900.82	27
7	V	270.15	264.47	264.15	861.14	855.47	855.14	26
8	S	299.16	293.48	293.16	828.12	822.44	822.11	25
9	T	332.84	327.17	326.84	799.11	793.43	793.10	24
10	G	351.85	346.17	345.85	765.42	759.75	759.42	23
11	G	370.86	365.18	364.85	746.42	740.74	740.41	22
12	G	389.86	384.19	383.86	727.41	721.74	721.41	21

13	A	413.54	407.87	407.54	708.40	702.73	702.40	20
14	S	442.55	436.88	436.55	684.72	679.05	678.72	19
15	L	480.25	474.57	474.24	655.71	650.04	649.71	18
16	E	523.26	517.59	517.26	618.02	612.34	612.02	17
17	L	560.96	555.28	554.95	575.00	569.33	569.00	16
18	L	598.65	592.98	592.65	537.31	531.63	531.31	15
19	E	641.67	635.99	635.66	499.62	493.94	493.61	14
20	G	660.67	655.00	654.67	456.60	450.93	450.60	13
21	K*	717.37	711.70	711.37	437.59	431.92	431.59	12
22	E	760.39	754.71	754.39	380.89	375.22	374.89	11
23	L	798.08	792.41	792.08	337.88	332.20	331.87	10
24	P	830.43	824.76	824.43	300.18	294.51	294.18	9
25	G	849.44	843.77	843.44	267.83	262.16	261.83	8
26	V	882.46	876.79	876.46	248.83	243.15	242.82	7
27	L	920.16	914.48	914.16	215.80	210.13	209.80	6
28	A	943.84	938.16	937.83	178.11	172.43	172.10	5
29	L	981.53	975.86	975.53	154.43	148.75	148.43	4
30	S	1010.54	1004.87	1004.54	116.73	111.06	110.73	3
31	N	1048.56	1042.88	1042.55	87.72	82.05	81.72	2
32	K	-	-	-	49.71	44.03	43.71	1

-

1388.75 R.KPEK*TIFEAQR.C
 psu|MAL7P1.125 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loc 393 - 404
 #1947-1947 NL: 6.79E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	11
2	P	226.16	209.13	208.14	1260.66	1243.63	1242.65	10
3	E	355.20	338.17	337.19	1163.61	1146.58	1145.59	9
4	K*	525.30	508.28	507.29	1034.56	1017.54	1016.55	8
5	T	626.35	609.32	608.34	864.46	847.43	846.45	7
6	I	739.43	722.41	721.42	763.41	746.38	745.40	6
7	F	886.50	869.48	868.49	650.33	633.30	632.32	5
8	E	1015.55	998.52	997.54	503.26	486.23	485.25	4
9	A	1086.58	1069.56	1068.57	374.21	357.19	356.20	3
10	Q	1214.64	1197.62	1196.63	303.18	286.15	285.17	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	11
2	P	113.58	105.07	104.58	630.83	622.32	621.83	10
3	E	178.10	169.59	169.10	582.31	573.79	573.30	9
4	K*	263.16	254.64	254.15	517.79	509.27	508.78	8
5	T	313.68	305.17	304.67	432.73	424.22	423.73	7
6	I	370.22	361.71	361.22	382.21	373.70	373.20	6
7	F	443.76	435.24	434.75	325.67	317.15	316.66	5
8	E	508.28	499.76	499.27	252.13	243.62	243.13	4
9	A	543.80	535.28	534.79	187.61	179.10	178.61	3

10	Q	607.82	599.31	598.82	152.09	143.58	143.09	2
11	R	-	-	-	88.06	79.55	79.06	1

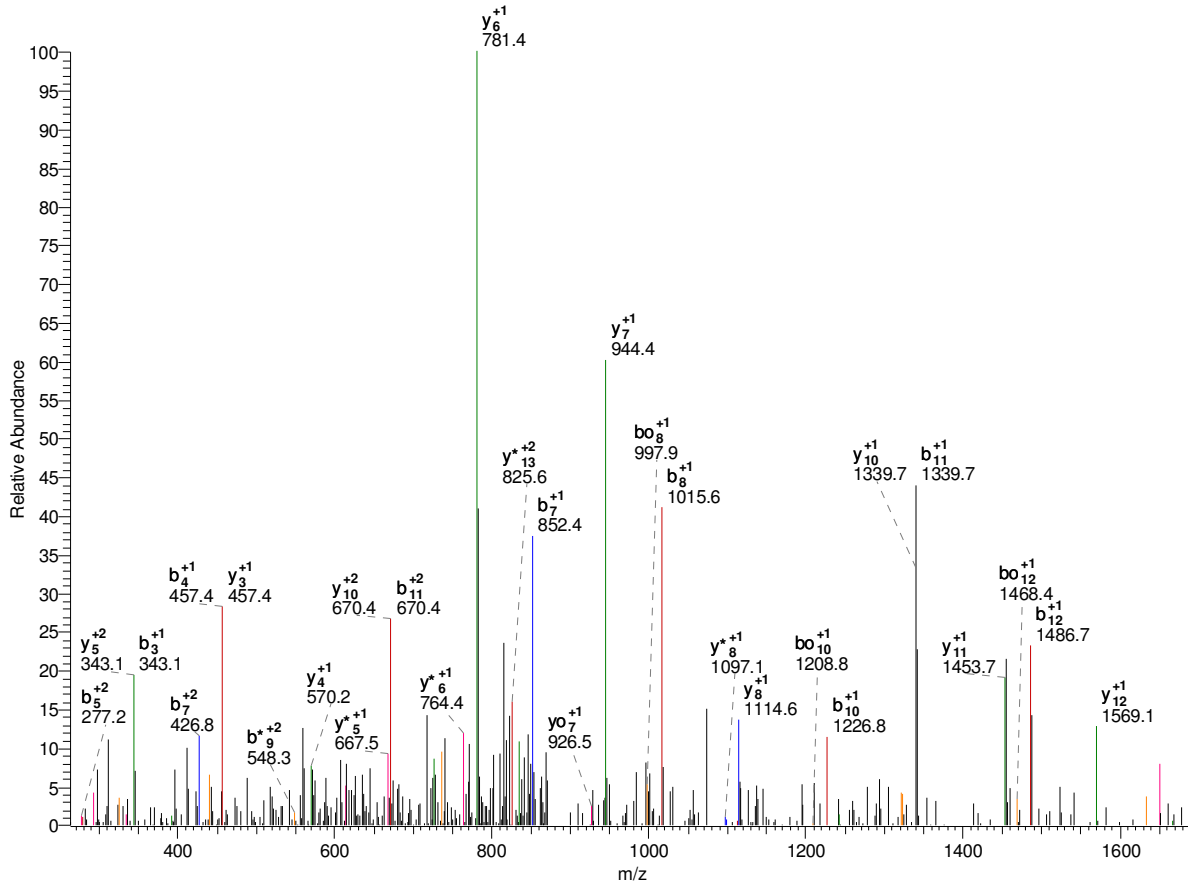
-

1795.94

K.KVDNPQK*YPNLFYK.I

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 935 - 949

#4454-4454 NL: 1.27E2



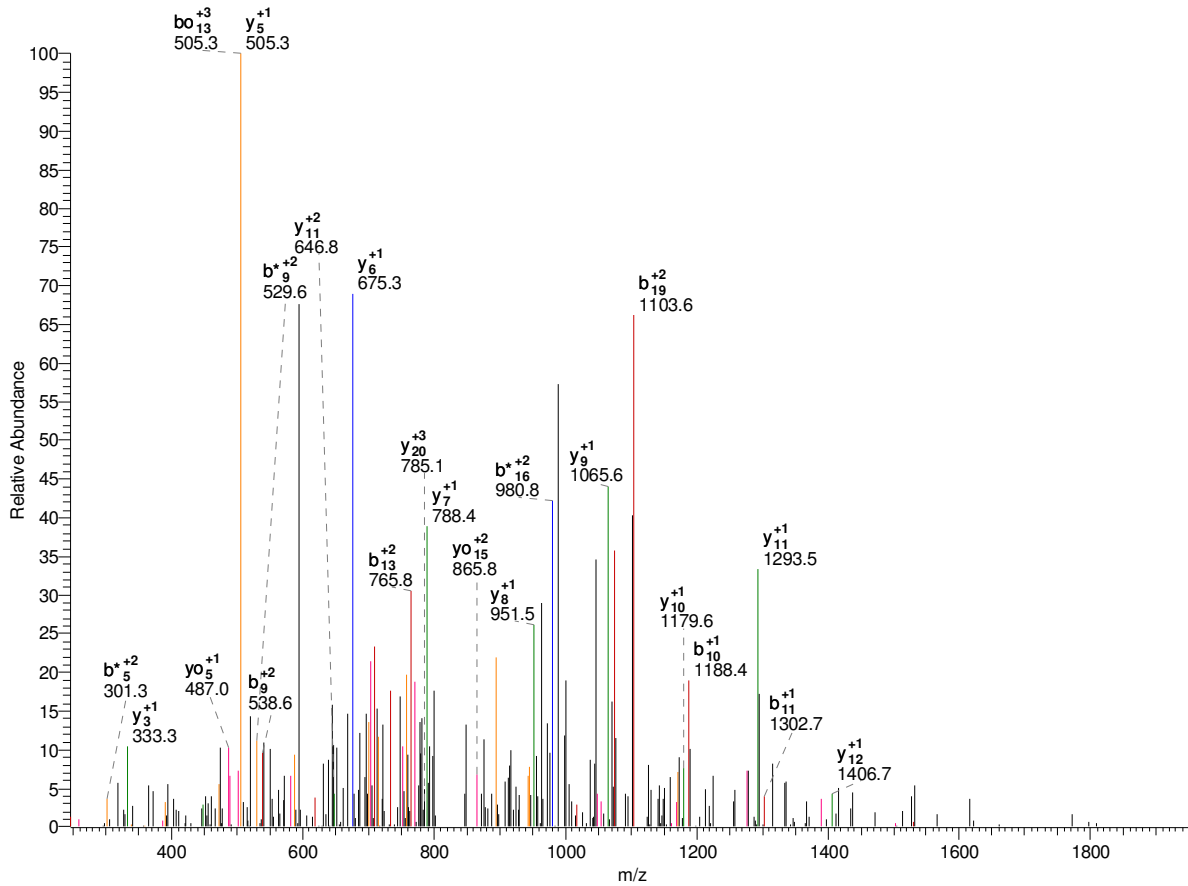
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	14
2	V	228.17	211.14	210.16	1667.84	1650.82	1649.83	13
3	D	343.20	326.17	325.19	1568.77	1551.75	1550.76	12
4	N	457.24	440.21	439.23	1453.75	1436.72	1435.74	11
5	P	554.29	537.27	536.28	1339.70	1322.68	1321.69	10
6	Q	682.35	665.33	664.34	1242.65	1225.63	1224.64	9
7	K*	852.46	835.43	834.45	1114.59	1097.57	1096.58	8
8	Y	1015.52	998.49	997.51	944.49	927.46	926.48	7
9	P	1112.57	1095.55	1094.56	781.42	764.40	763.41	6
10	N	1226.62	1209.59	1208.61	684.37	667.34	666.36	5
11	L	1339.70	1322.67	1321.69	570.33	553.30	552.32	4
12	F	1486.77	1469.74	1468.76	457.24	440.22	439.23	3
13	Y	1649.83	1632.81	1631.82	310.18	293.15	292.17	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	14
2	V	114.59	106.08	105.58	834.43	825.91	825.42	13
3	D	172.10	163.59	163.10	784.89	776.38	775.89	12
4	N	229.12	220.61	220.12	727.38	718.86	718.37	11
5	P	277.65	269.14	268.64	670.36	661.84	661.35	10

6	Q	341.68	333.17	332.67	621.83	613.32	612.82	9
7	K*	426.73	418.22	417.73	557.80	549.29	548.79	8
8	Y	508.26	499.75	499.26	472.75	464.23	463.74	7
9	P	556.79	548.28	547.79	391.22	382.70	382.21	6
10	N	613.81	605.30	604.81	342.69	334.18	333.68	5
11	L	670.35	661.84	661.35	285.67	277.15	276.66	4
12	F	743.89	735.37	734.88	229.13	220.61	220.12	3
13	Y	825.42	816.91	816.41	155.59	147.08	146.59	2
14	K	-	-	-	74.06	65.55	65.05	1

-

2481.16 K.KVENFDNNNINNNYLK*GDGEK.N
 psu|PF11_0254 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 97 - 118
 #2991-2991 NL: 7.46E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	21
2	V	228.17	211.14	210.16	2353.07	2336.04	2335.06	20
3	E	357.21	340.19	339.20	2254.00	2236.97	2235.99	19
4	N	471.26	454.23	453.25	2124.96	2107.93	2106.95	18
5	F	618.32	601.30	600.31	2010.92	1993.89	1992.90	17
6	D	733.35	716.32	715.34	1863.85	1846.82	1845.84	16
7	N	847.39	830.37	829.38	1748.82	1731.79	1730.81	15
8	N	961.44	944.41	943.43	1634.78	1617.75	1616.77	14
9	N	1075.48	1058.45	1057.47	1520.73	1503.71	1502.72	13
10	I	1188.56	1171.54	1170.55	1406.69	1389.66	1388.68	12
11	N	1302.61	1285.58	1284.60	1293.61	1276.58	1275.60	11
12	N	1416.65	1399.62	1398.64	1179.56	1162.54	1161.55	10
13	N	1530.69	1513.67	1512.68	1065.52	1048.49	1047.51	9
14	Y	1693.76	1676.73	1675.75	951.48	934.45	933.47	8
15	L	1806.84	1789.81	1788.83	788.41	771.39	770.40	7
16	K*	1976.95	1959.92	1958.94	675.33	658.30	657.32	6
17	G	2033.97	2016.94	2015.96	505.23	488.20	487.21	5
18	D	2148.99	2131.97	2130.98	448.20	431.18	430.19	4
19	G	2206.02	2188.99	2188.01	333.18	316.15	315.17	3
20	E	2335.06	2318.03	2317.05	276.16	259.13	258.14	2
21	K	-	-	-	147.11	130.09	129.10	1

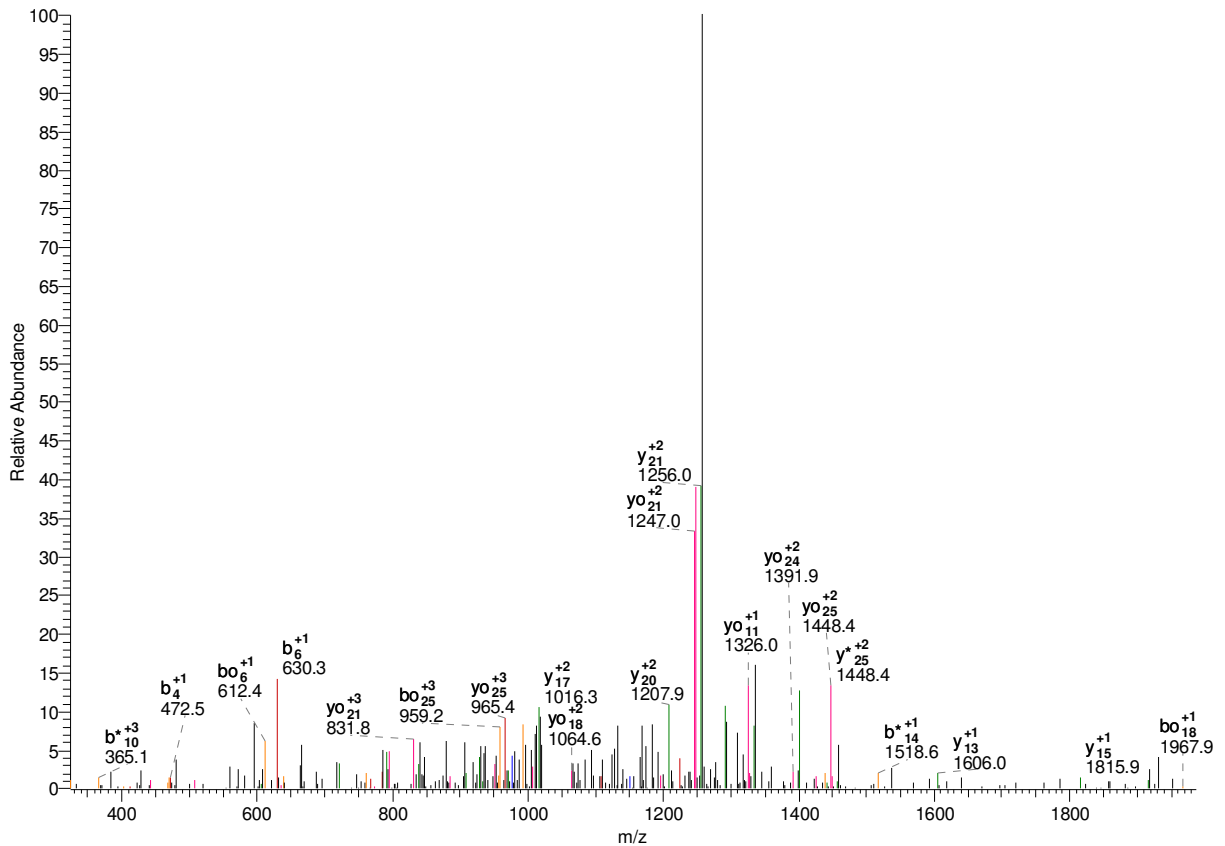
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	21
2	V	114.59	106.08	105.58	1177.04	1168.52	1168.03	20
3	E	179.11	170.60	170.10	1127.50	1118.99	1118.50	19
4	N	236.13	227.62	227.13	1062.98	1054.47	1053.98	18
5	F	309.67	301.15	300.66	1005.96	997.45	996.96	17
6	D	367.18	358.67	358.17	932.43	923.91	923.42	16
7	N	424.20	415.69	415.20	874.91	866.40	865.91	15
8	N	481.22	472.71	472.22	817.89	809.38	808.89	14
9	N	538.24	529.73	529.24	760.87	752.36	751.87	13
10	I	594.79	586.27	585.78	703.85	695.34	694.84	12
11	N	651.81	643.29	642.80	647.31	638.79	638.30	11
12	N	708.83	700.32	699.82	590.29	581.77	581.28	10
13	N	765.85	757.34	756.84	533.26	524.75	524.26	9
14	Y	847.38	838.87	838.38	476.24	467.73	467.24	8
15	L	903.92	895.41	894.92	394.71	386.20	385.71	7
16	K*	988.98	980.46	979.97	338.17	329.66	329.16	6
17	G	1017.49	1008.97	1008.48	253.12	244.60	244.11	5
18	D	1075.00	1066.49	1066.00	224.61	216.09	215.60	4
19	G	1103.51	1095.00	1094.51	167.09	158.58	158.09	3
20	E	1168.03	1159.52	1159.03	138.58	130.07	129.58	2
21	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K	43.71	38.03	37.70	-	-	-	21
2	V	76.73	71.05	70.72	785.03	779.35	779.02	20
3	E	119.74	114.07	113.74	752.01	746.33	746.00	19
4	N	157.76	152.08	151.75	708.99	703.32	702.99	18
5	F	206.78	201.10	200.78	670.98	665.30	664.97	17
6	D	245.12	239.45	239.12	621.95	616.28	615.95	16
7	N	283.14	277.46	277.13	583.61	577.94	577.61	15
8	N	321.15	315.48	315.15	545.60	539.92	539.59	14
9	N	359.16	353.49	353.16	507.58	501.91	501.58	13
10	I	396.86	391.18	390.86	469.57	463.89	463.57	12
11	N	434.87	429.20	428.87	431.87	426.20	425.87	11
12	N	472.89	467.21	466.88	393.86	388.18	387.86	10
13	N	510.90	505.23	504.90	355.85	350.17	349.84	9
14	Y	565.26	559.58	559.25	317.83	312.16	311.83	8
15	L	602.95	597.28	596.95	263.48	257.80	257.47	7
16	K*	659.65	653.98	653.65	225.78	220.11	219.78	6
17	G	678.66	672.99	672.66	169.08	163.40	163.08	5
18	D	717.00	711.33	711.00	150.07	144.40	144.07	4
19	G	736.01	730.33	730.01	111.73	106.05	105.73	3
20	E	779.02	773.35	773.02	92.72	87.05	86.72	2
21	K	-	-	-	49.71	44.03	43.71	1

-

3140.55 K.KVIMSAPPK*DDTPIYVMGINHHQYDTK.Q
 psu|PF14_0598 | organism=Plasmodium_falciparum_3D7 | product=glyceraldehyde-3-
 phosphate dehydrogena 117 - 144
 #5401-5401 NL: 1.94E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	27
2	V	228.17	211.14	210.16	3012.46	2995.43	2994.45	26
3	I	341.25	324.23	323.24	2913.39	2896.36	2895.38	25
4	M	472.30	455.27	454.28	2800.31	2783.28	2782.30	24
5	S	559.33	542.30	541.32	2669.27	2652.24	2651.26	23
6	A	630.36	613.34	612.35	2582.23	2565.21	2564.22	22
7	P	727.42	710.39	709.41	2511.20	2494.17	2493.19	21
8	P	824.47	807.44	806.46	2414.14	2397.12	2396.13	20
9	K*	994.58	977.55	976.56	2317.09	2300.07	2299.08	19
10	D	1109.60	1092.58	1091.59	2146.99	2129.96	2128.98	18
11	D	1224.63	1207.60	1206.62	2031.96	2014.93	2013.95	17
12	T	1325.68	1308.65	1307.67	1916.93	1899.91	1898.92	16
13	P	1422.73	1405.70	1404.72	1815.88	1798.86	1797.87	15
14	I	1535.81	1518.79	1517.80	1718.83	1701.81	1700.82	14
15	Y	1698.88	1681.85	1680.87	1605.75	1588.72	1587.74	13
16	V	1797.95	1780.92	1779.93	1442.68	1425.66	1424.67	12
17	M	1928.99	1911.96	1910.98	1343.62	1326.59	1325.61	11
18	G	1986.01	1968.98	1968.00	1212.58	1195.55	1194.57	10
19	I	2099.09	2082.07	2081.08	1155.55	1138.53	1137.54	9
20	N	2213.13	2196.11	2195.12	1042.47	1025.44	1024.46	8
21	H	2350.19	2333.17	2332.18	928.43	911.40	910.42	7
22	H	2487.25	2470.23	2469.24	791.37	774.34	773.36	6

23	Q	2615.31	2598.28	2597.30	654.31	637.28	636.30	5
24	Y	2778.37	2761.35	2760.36	526.25	509.22	508.24	4
25	D	2893.40	2876.37	2875.39	363.19	346.16	345.18	3
26	T	2994.45	2977.42	2976.44	248.16	231.13	230.15	2
27	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	27
2	V	114.59	106.08	105.58	1506.73	1498.22	1497.73	26
3	I	171.13	162.62	162.13	1457.20	1448.69	1448.19	25
4	M	236.65	228.14	227.65	1400.66	1392.14	1391.65	24
5	S	280.17	271.65	271.16	1335.14	1326.62	1326.13	23
6	A	315.69	307.17	306.68	1291.62	1283.11	1282.62	22
7	P	364.21	355.70	355.21	1256.10	1247.59	1247.10	21
8	P	412.74	404.23	403.73	1207.58	1199.06	1198.57	20
9	K*	497.79	489.28	488.79	1159.05	1150.54	1150.04	19
10	D	555.30	546.79	546.30	1074.00	1065.48	1064.99	18
11	D	612.82	604.31	603.81	1016.48	1007.97	1007.48	17
12	T	663.34	654.83	654.34	958.97	950.46	949.96	16
13	P	711.87	703.36	702.86	908.45	899.93	899.44	15
14	I	768.41	759.90	759.41	859.92	851.41	850.91	14
15	Y	849.94	841.43	840.94	803.38	794.86	794.37	13
16	V	899.48	890.96	890.47	721.85	713.33	712.84	12
17	M	965.00	956.48	955.99	672.31	663.80	663.31	11
18	G	993.51	984.99	984.50	606.79	598.28	597.79	10
19	I	1050.05	1041.54	1041.04	578.28	569.77	569.28	9
20	N	1107.07	1098.56	1098.07	521.74	513.23	512.73	8
21	H	1175.60	1167.09	1166.60	464.72	456.20	455.71	7
22	H	1244.13	1235.62	1235.12	396.19	387.67	387.18	6
23	Q	1308.16	1299.65	1299.15	327.66	319.15	318.65	5
24	Y	1389.69	1381.18	1380.69	263.63	255.12	254.62	4
25	D	1447.20	1438.69	1438.20	182.10	173.58	173.09	3
26	T	1497.73	1489.21	1488.72	124.58	116.07	115.58	2
27	K	-	-	-	74.06	65.55	65.05	1

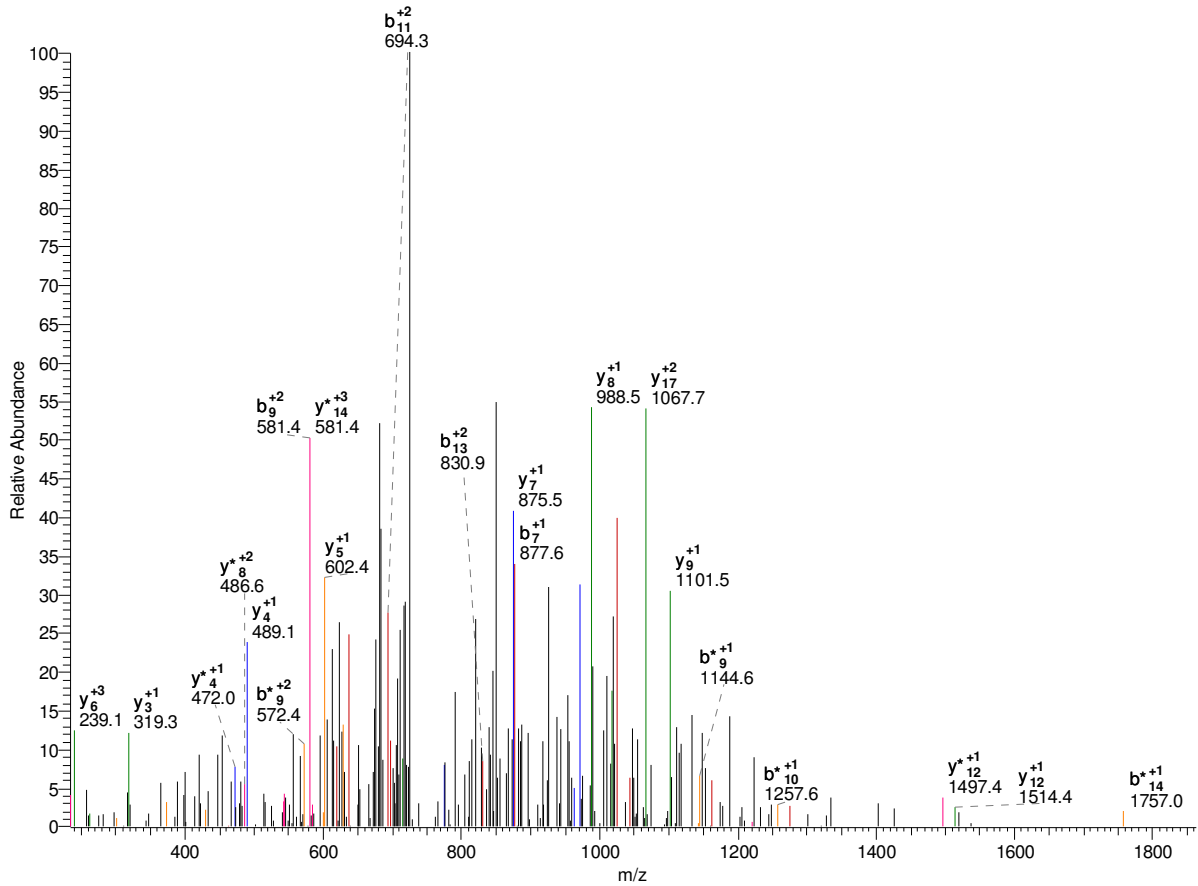
-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K	43.71	38.03	37.70	-	-	-	27
2	V	76.73	71.05	70.72	1004.82	999.15	998.82	26
3	I	114.42	108.75	108.42	971.80	966.13	965.80	25
4	M	158.10	152.43	152.10	934.11	928.43	928.10	24
5	S	187.11	181.44	181.11	890.43	884.75	884.42	23
6	A	210.79	205.12	204.79	861.42	855.74	855.41	22
7	P	243.14	237.47	237.14	837.74	832.06	831.73	21
8	P	275.49	269.82	269.49	805.39	799.71	799.38	20
9	K*	332.20	326.52	326.19	773.04	767.36	767.03	19
10	D	370.54	364.86	364.54	716.33	710.66	710.33	18
11	D	408.88	403.21	402.88	677.99	672.32	671.99	17
12	T	442.56	436.89	436.56	639.65	633.97	633.65	16
13	P	474.91	469.24	468.91	605.97	600.29	599.96	15
14	I	512.61	506.93	506.61	573.62	567.94	567.61	14
15	Y	566.96	561.29	560.96	535.92	530.25	529.92	13
16	V	599.99	594.31	593.98	481.57	475.89	475.56	12
17	M	643.67	637.99	637.66	448.54	442.87	442.54	11
18	G	662.67	657.00	656.67	404.86	399.19	398.86	10
19	I	700.37	694.69	694.37	385.86	380.18	379.85	9
20	N	738.38	732.71	732.38	348.16	342.49	342.16	8
21	H	784.07	778.39	778.07	310.15	304.47	304.14	7
22	H	829.76	824.08	823.75	264.46	258.79	258.46	6

23	Q	872.44	866.77	866.44	218.77	213.10	212.77	5
24	Y	926.80	921.12	920.79	176.09	170.41	170.08	4
25	D	965.14	959.46	959.14	121.73	116.06	115.73	3
26	T	998.82	993.15	992.82	83.39	77.72	77.39	2
27	K	-	-	-	49.71	44.03	43.71	1

-

2262.17 K.KVYNNEEFHILC@LLK*GSR.G
 psu|PF10_0121 | organism=Plasmodium_falciparum_3D7 | product=hypoxanthine
 phosphoribosyltransferase 62 - 80
 #7436-7436 NL: 6.00E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	18
2	V	228.17	211.14	210.16	2134.07	2117.05	2116.06	17
3	Y	391.23	374.21	373.22	2035.01	2017.98	2017.00	16
4	N	505.28	488.25	487.27	1871.94	1854.92	1853.93	15
5	N	619.32	602.29	601.31	1757.90	1740.87	1739.89	14
6	E	748.36	731.34	730.35	1643.86	1626.83	1625.85	13
7	E	877.41	860.38	859.39	1514.81	1497.79	1496.80	12
8	F	1024.47	1007.45	1006.46	1385.77	1368.75	1367.76	11
9	H	1161.53	1144.51	1143.52	1238.70	1221.68	1220.69	10
10	I	1274.62	1257.59	1256.61	1101.64	1084.62	1083.63	9
11	L	1387.70	1370.67	1369.69	988.56	971.53	970.55	8
12	C@	1547.73	1530.70	1529.72	875.48	858.45	857.47	7
13	L	1660.82	1643.79	1642.80	715.45	698.42	697.44	6
14	L	1773.90	1756.87	1755.89	602.36	585.34	584.35	5
15	K*	1944.00	1926.98	1925.99	489.28	472.25	471.27	4
16	G	2001.03	1984.00	1983.02	319.17	302.15	301.16	3
17	S	2088.06	2071.03	2070.05	262.15	245.12	244.14	2
18	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	18
2	V	114.59	106.08	105.58	1067.54	1059.03	1058.54	17

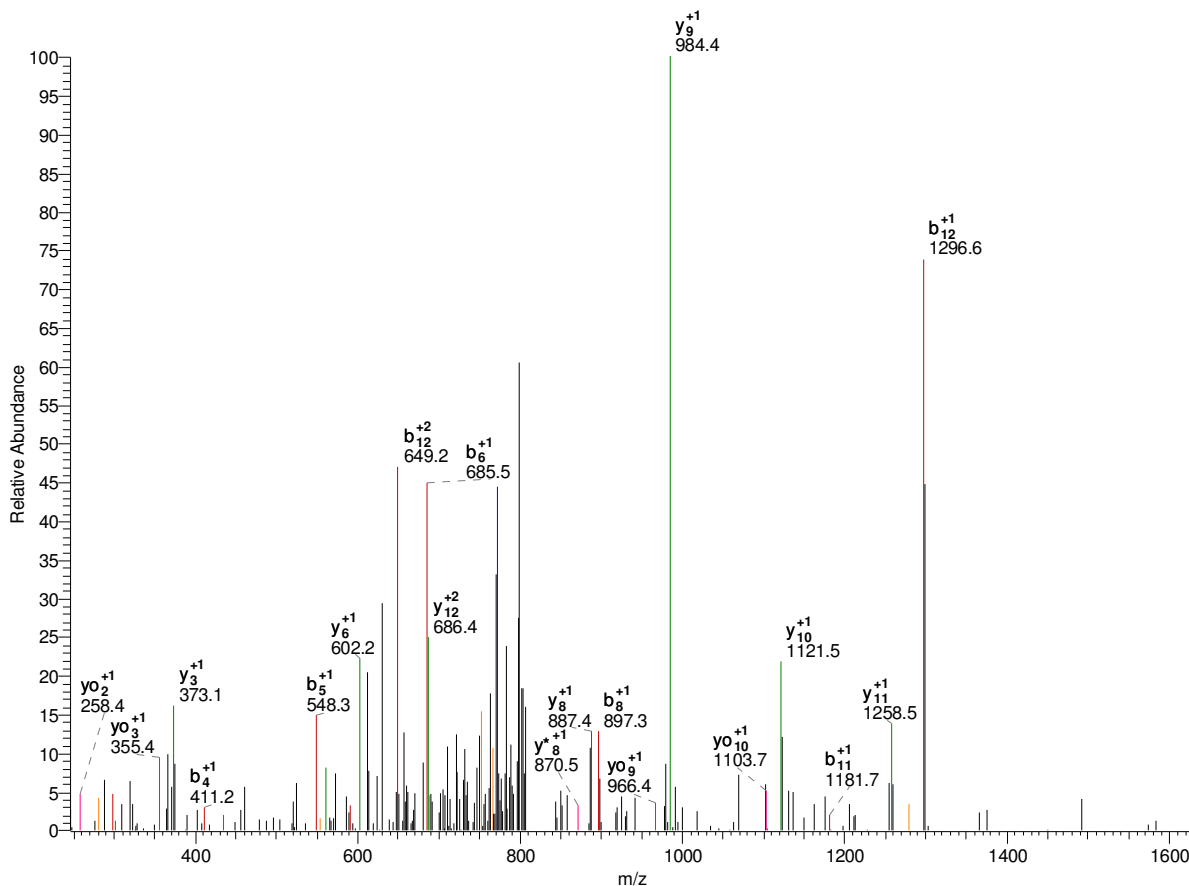
3	Y	196.12	187.61	187.12	1018.01	1009.49	1009.00	16
4	N	253.14	244.63	244.14	936.48	927.96	927.47	15
5	N	310.16	301.65	301.16	879.45	870.94	870.45	14
6	E	374.68	366.17	365.68	822.43	813.92	813.43	13
7	E	439.21	430.69	430.20	757.91	749.40	748.91	12
8	F	512.74	504.23	503.74	693.39	684.88	684.38	11
9	H	581.27	572.76	572.26	619.86	611.34	610.85	10
10	I	637.81	629.30	628.81	551.33	542.81	542.32	9
11	L	694.35	685.84	685.35	494.78	486.27	485.78	8
12	C@	774.37	765.86	765.36	438.24	429.73	429.24	7
13	L	830.91	822.40	821.91	358.23	349.71	349.22	6
14	L	887.45	878.94	878.45	301.68	293.17	292.68	5
15	K*	972.51	963.99	963.50	245.14	236.63	236.14	4
16	G	1001.02	992.50	992.01	160.09	151.58	151.08	3
17	S	1044.53	1036.02	1035.53	131.58	123.07	122.57	2
18	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K	43.71	38.03	37.70	-	-	-	18
2	V	76.73	71.05	70.72	712.03	706.35	706.03	17
3	Y	131.08	125.41	125.08	679.01	673.33	673.00	16
4	N	169.10	163.42	163.09	624.65	618.98	618.65	15
5	N	207.11	201.44	201.11	586.64	580.96	580.63	14
6	E	250.13	244.45	244.12	548.62	542.95	542.62	13
7	E	293.14	287.46	287.14	505.61	499.93	499.61	12
8	F	342.16	336.49	336.16	462.60	456.92	456.59	11
9	H	387.85	382.17	381.85	413.57	407.90	407.57	10
10	I	425.54	419.87	419.54	367.89	362.21	361.88	9
11	L	463.24	457.56	457.23	330.19	324.52	324.19	8
12	C@	516.58	510.91	510.58	292.50	286.82	286.49	7
13	L	554.28	548.60	548.27	239.15	233.48	233.15	6
14	L	591.97	586.30	585.97	201.46	195.78	195.46	5
15	K*	648.67	643.00	642.67	163.76	158.09	157.76	4
16	G	667.68	662.00	661.68	107.06	101.39	101.06	3
17	S	696.69	691.02	690.69	88.06	82.38	82.05	2
18	R	-	-	-	59.04	53.37	53.04	1

-

1668.87 K.LAIHHPDK*GGDPEK.F
 psu|PF14_0359 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 49 - 64
 #986-986 NL: 7.37E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	15
2	A	185.13	168.10	167.12	1555.79	1538.76	1537.78	14
3	I	298.21	281.19	280.20	1484.75	1467.72	1466.74	13
4	I	411.30	394.27	393.29	1371.67	1354.64	1353.65	12
5	H	548.36	531.33	530.34	1258.58	1241.55	1240.57	11
6	H	685.41	668.39	667.40	1121.52	1104.50	1103.51	10
7	P	782.47	765.44	764.46	984.46	967.44	966.45	9
8	D	897.49	880.47	879.48	887.41	870.38	869.40	8
9	K*	1067.60	1050.57	1049.59	772.38	755.36	754.37	7
10	G	1124.62	1107.59	1106.61	602.28	585.25	584.27	6
11	G	1181.64	1164.62	1163.63	545.26	528.23	527.25	5
12	D	1296.67	1279.64	1278.66	488.24	471.21	470.22	4
13	P	1393.72	1376.70	1375.71	373.21	356.18	355.20	3
14	E	1522.76	1505.74	1504.75	276.16	259.13	258.14	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	15
2	A	93.07	84.55	84.06	778.40	769.88	769.39	14
3	I	149.61	141.10	140.60	742.88	734.36	733.87	13
4	I	206.15	197.64	197.15	686.34	677.82	677.33	12
5	H	274.68	266.17	265.68	629.79	621.28	620.79	11

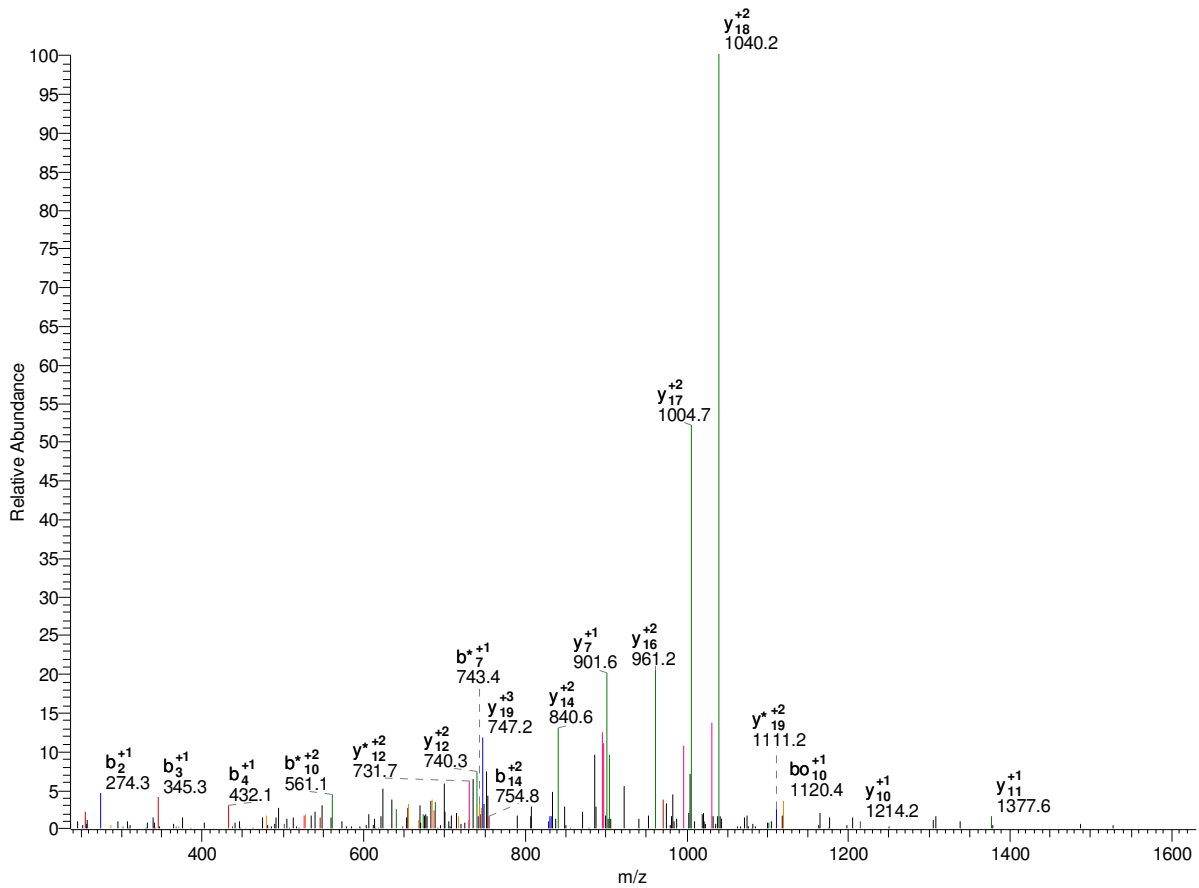
6	H	343.21	334.70	334.21	561.26	552.75	552.26	10
7	P	391.74	383.22	382.73	492.74	484.22	483.73	9
8	D	449.25	440.74	440.25	444.21	435.70	435.20	8
9	K*	534.30	525.79	525.30	386.70	378.18	377.69	7
10	G	562.81	554.30	553.81	301.64	293.13	292.64	6
11	G	591.32	582.81	582.32	273.13	264.62	264.13	5
12	D	648.84	640.33	639.83	244.62	236.11	235.62	4
13	P	697.36	688.85	688.36	187.11	178.59	178.10	3
14	E	761.89	753.37	752.88	138.58	130.07	129.58	2
15	K	-	-	-	74.06	65.55	65.05	1

—

2352.17 [K.LC@ASLQSNITYIVTGK*FNEHK.I](#)

psu|PF14_0241 | organism=Plasmodium_falciparum_3D7 | product=basictranscription factor 3b, putative 84 - 104

#5199-5199 NL: 1.81E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	20
2	C@	274.12	257.10	256.11	2239.08	2222.05	2221.07	19
3	A	345.16	328.13	327.15	2079.05	2062.02	2061.04	18
4	S	432.19	415.16	414.18	2008.01	1990.99	1990.00	17
5	L	545.28	528.25	527.26	1920.98	1903.95	1902.97	16
6	Q	673.33	656.31	655.32	1807.90	1790.87	1789.89	15
7	S	760.37	743.34	742.36	1679.84	1662.81	1661.83	14
8	N	874.41	857.38	856.40	1592.81	1575.78	1574.80	13
9	T	975.46	958.43	957.45	1478.76	1461.74	1460.75	12
10	Y	1138.52	1121.49	1120.51	1377.72	1360.69	1359.71	11
11	I	1251.60	1234.58	1233.59	1214.65	1197.63	1196.64	10
12	V	1350.67	1333.65	1332.66	1101.57	1084.54	1083.56	9
13	T	1451.72	1434.69	1433.71	1002.50	985.47	984.49	8
14	G	1508.74	1491.71	1490.73	901.45	884.43	883.44	7
15	K*	1678.85	1661.82	1660.84	844.43	827.40	826.42	6
16	F	1825.92	1808.89	1807.90	674.33	657.30	656.32	5
17	N	1939.96	1922.93	1921.95	527.26	510.23	509.25	4
18	E	2069.00	2051.97	2050.99	413.21	396.19	395.20	3
19	H	2206.06	2189.03	2188.05	284.17	267.15	266.16	2
20	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

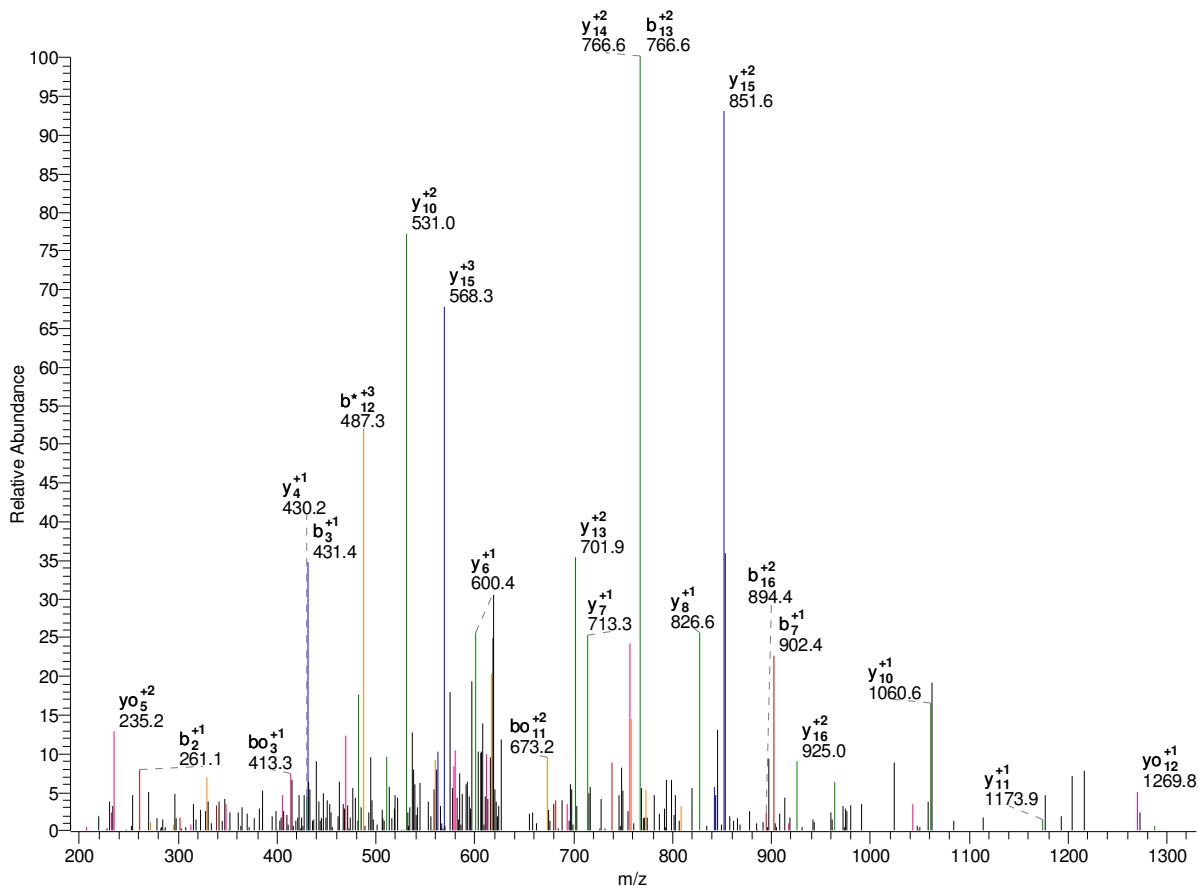
1	L	57.55	49.04	48.54	-	-	-	20
2	C@	137.56	129.05	128.56	1120.04	1111.53	1111.04	19
3	A	173.08	164.57	164.08	1040.03	1031.52	1031.02	18
4	S	216.60	208.09	207.59	1004.51	996.00	995.51	17
5	L	273.14	264.63	264.14	960.99	952.48	951.99	16
6	Q	337.17	328.66	328.17	904.45	895.94	895.45	15
7	S	380.69	372.17	371.68	840.42	831.91	831.42	14
8	N	437.71	429.19	428.70	796.91	788.39	787.90	13
9	T	488.23	479.72	479.23	739.89	731.37	730.88	12
10	Y	569.76	561.25	560.76	689.36	680.85	680.36	11
11	I	626.31	617.79	617.30	607.83	599.32	598.82	10
12	V	675.84	667.33	666.83	551.29	542.77	542.28	9
13	T	726.36	717.85	717.36	501.75	493.24	492.75	8
14	G	754.87	746.36	745.87	451.23	442.72	442.22	7
15	K*	839.93	831.41	830.92	422.72	414.21	413.71	6
16	F	913.46	904.95	904.46	337.67	329.15	328.66	5
17	N	970.48	961.97	961.48	264.13	255.62	255.13	4
18	E	1035.00	1026.49	1026.00	207.11	198.60	198.11	3
19	H	1103.53	1095.02	1094.53	142.59	134.08	133.58	2
20	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	20
2	C@	92.05	86.37	86.04	747.03	741.36	741.03	19
3	A	115.72	110.05	109.72	693.69	688.01	687.68	18
4	S	144.74	139.06	138.73	670.01	664.33	664.01	17
5	L	182.43	176.75	176.43	641.00	635.32	635.00	16
6	Q	225.12	219.44	219.11	603.30	597.63	597.30	15
7	S	254.13	248.45	248.12	560.62	554.94	554.61	14
8	N	292.14	286.47	286.14	531.61	525.93	525.60	13
9	T	325.82	320.15	319.82	493.59	487.92	487.59	12
10	Y	380.18	374.50	374.17	459.91	454.23	453.91	11
11	I	417.87	412.20	411.87	405.56	399.88	399.55	10
12	V	450.90	445.22	444.89	367.86	362.19	361.86	9
13	T	484.58	478.90	478.57	334.84	329.16	328.83	8
14	G	503.59	497.91	497.58	301.16	295.48	295.15	7
15	K*	560.29	554.61	554.28	282.15	276.47	276.15	6
16	F	609.31	603.63	603.31	225.45	219.77	219.44	5
17	N	647.32	641.65	641.32	176.42	170.75	170.42	4
18	E	690.34	684.66	684.33	138.41	132.73	132.41	3
19	H	736.02	730.35	730.02	95.40	89.72	89.39	2
20	K	-	-	-	49.71	44.03	43.71	1

-

1962.08 K.LFK*EDNIPHIIIGTPGR.I
 psu|PFB0445c | organism=Plasmodium_falciparum_3D7 | product=helicase, putative |
 location=MAL2:4042 189 - 206
 #6195-6195 NL: 9.78E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	17
2	F	261.16	244.13	243.15	1849.00	1831.97	1830.99	16
3	K*	431.27	414.24	413.25	1701.93	1684.90	1683.92	15
4	E	560.31	543.28	542.30	1531.82	1514.80	1513.81	14
5	D	675.33	658.31	657.32	1402.78	1385.75	1384.77	13
6	N	789.38	772.35	771.37	1287.75	1270.73	1269.74	12
7	I	902.46	885.44	884.45	1173.71	1156.68	1155.70	11
8	P	999.51	982.49	981.50	1060.63	1043.60	1042.62	10
9	H	1136.57	1119.55	1118.56	963.57	946.55	945.56	9
10	I	1249.66	1232.63	1231.65	826.51	809.49	808.50	8
11	I	1362.74	1345.72	1344.73	713.43	696.40	695.42	7
12	I	1475.83	1458.80	1457.82	600.35	583.32	582.34	6
13	G	1532.85	1515.82	1514.84	487.26	470.24	469.25	5
14	T	1633.89	1616.87	1615.88	430.24	413.21	412.23	4
15	P	1730.95	1713.92	1712.94	329.19	312.17	311.18	3
16	G	1787.97	1770.94	1769.96	232.14	215.11	214.13	2
17	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	17
2	F	131.08	122.57	122.08	925.00	916.49	916.00	16
3	K*	216.14	207.62	207.13	851.47	842.95	842.46	15

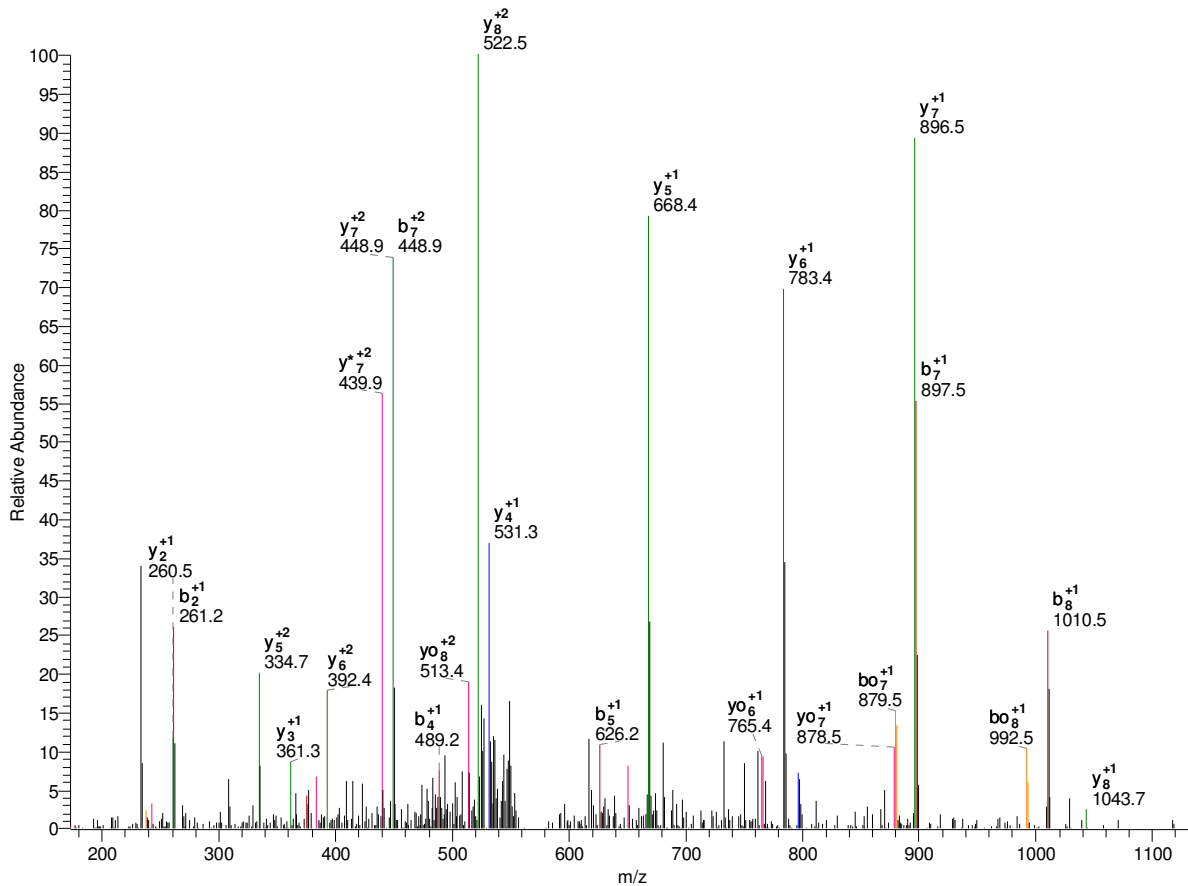
4	E	280.66	272.14	271.65	766.41	757.90	757.41	14
5	D	338.17	329.66	329.17	701.89	693.38	692.89	13
6	N	395.19	386.68	386.19	644.38	635.87	635.37	12
7	I	451.73	443.22	442.73	587.36	578.85	578.35	11
8	P	500.26	491.75	491.26	530.82	522.30	521.81	10
9	H	568.79	560.28	559.79	482.29	473.78	473.29	9
10	I	625.33	616.82	616.33	413.76	405.25	404.76	8
11	I	681.87	673.36	672.87	357.22	348.71	348.21	7
12	I	738.42	729.90	729.41	300.68	292.16	291.67	6
13	G	766.93	758.41	757.92	244.13	235.62	235.13	5
14	T	817.45	808.94	808.45	215.62	207.11	206.62	4
15	P	865.98	857.46	856.97	165.10	156.59	156.09	3
16	G	894.49	885.97	885.48	116.57	108.06	107.57	2
17	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	17
2	F	87.72	82.05	81.72	617.00	611.33	611.00	16
3	K*	144.43	138.75	138.42	567.98	562.31	561.98	15
4	E	187.44	181.77	181.44	511.28	505.60	505.28	14
5	D	225.78	220.11	219.78	468.26	462.59	462.26	13
6	N	263.80	258.12	257.79	429.92	424.25	423.92	12
7	I	301.49	295.82	295.49	391.91	386.23	385.90	11
8	P	333.84	328.17	327.84	354.21	348.54	348.21	10
9	H	379.53	373.85	373.53	321.86	316.19	315.86	9
10	I	417.22	411.55	411.22	276.18	270.50	270.17	8
11	I	454.92	449.24	448.92	238.48	232.81	232.48	7
12	I	492.61	486.94	486.61	200.79	195.11	194.78	6
13	G	511.62	505.95	505.62	163.09	157.42	157.09	5
14	T	545.30	539.63	539.30	144.09	138.41	138.08	4
15	P	577.65	571.98	571.65	110.40	104.73	104.40	3
16	G	596.66	590.99	590.66	78.05	72.38	72.05	2
17	R	-	-	-	59.04	53.37	53.04	1

-

1156.67 K.LFLDHK*TLK.H
 psu|PF11_0192 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 422 - 431
 #3576-3576 NL: 2.96E2



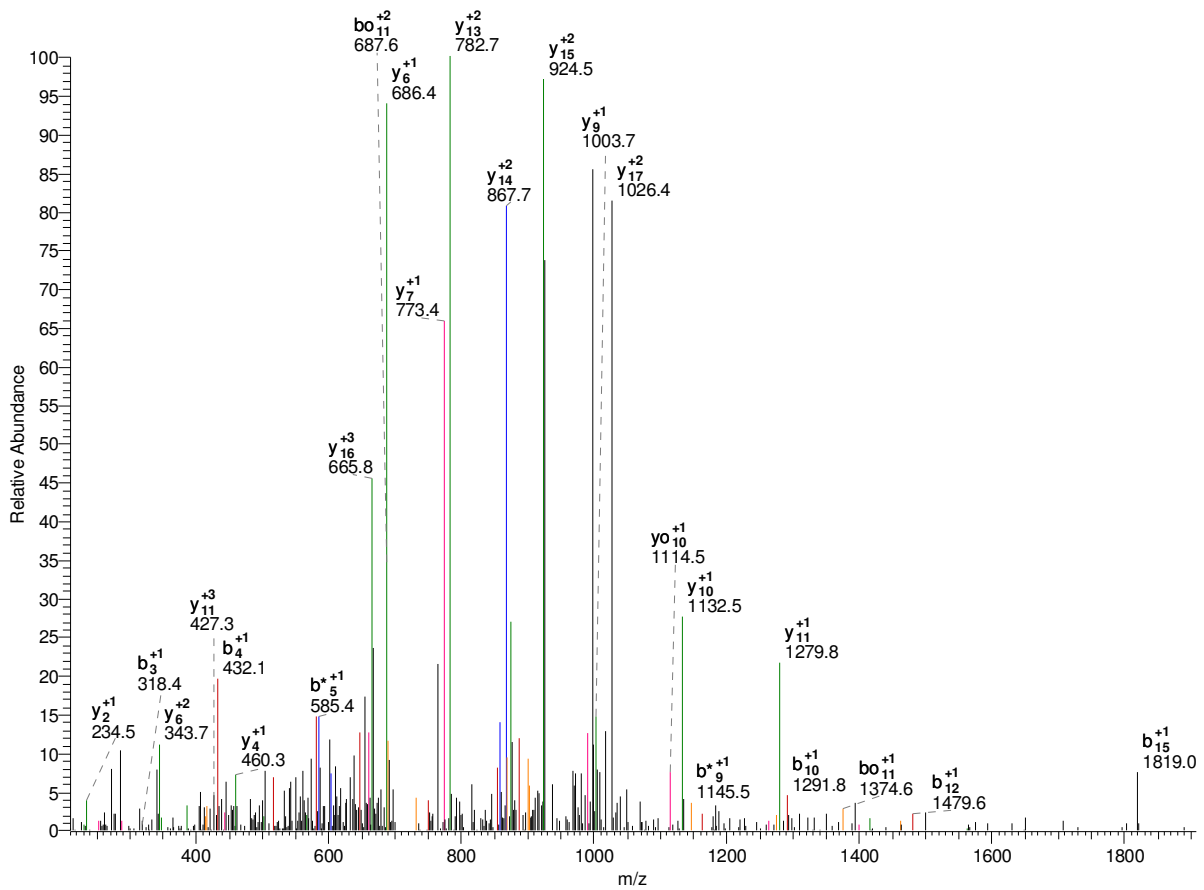
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	9
2	F	261.16	244.13	243.15	1043.59	1026.56	1025.58	8
3	L	374.24	357.22	356.23	896.52	879.49	878.51	7
4	D	489.27	472.24	471.26	783.44	766.41	765.43	6
5	H	626.33	609.30	608.32	668.41	651.38	650.40	5
6	K*	796.44	779.41	778.42	531.35	514.32	513.34	4
7	T	897.48	880.46	879.47	361.24	344.22	343.23	3
8	L	1010.57	993.54	992.56	260.20	243.17	242.19	2
9	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	9
2	F	131.08	122.57	122.08	522.30	513.78	513.29	8
3	L	187.63	179.11	178.62	448.76	440.25	439.76	7
4	D	245.14	236.63	236.13	392.22	383.71	383.22	6
5	H	313.67	305.16	304.66	334.71	326.19	325.70	5
6	K*	398.72	390.21	389.72	266.18	257.67	257.17	4
7	T	449.25	440.73	440.24	181.13	172.61	172.12	3
8	L	505.79	497.27	496.78	130.60	122.09	121.60	2
9	K	-	-	-	74.06	65.55	65.05	1

-

2165.09 K.LGFNK*FHFEETSPELISK.V
 psu|PF08_0132 | organism=Plasmodium_falciparum_3D7 | product=glutamate dehydrogenase,
 putative | lo64 - 82
 #7195-7195 NL: 2.05E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	18
2	G	171.11	154.09	153.10	2052.01	2034.98	2034.00	17
3	F	318.18	301.15	300.17	1994.99	1977.96	1976.98	16
4	N	432.22	415.20	414.21	1847.92	1830.89	1829.91	15
5	K*	602.33	585.30	584.32	1733.87	1716.85	1715.86	14
6	F	749.40	732.37	731.39	1563.77	1546.74	1545.76	13
7	H	886.46	869.43	868.45	1416.70	1399.67	1398.69	12
8	F	1033.53	1016.50	1015.51	1279.64	1262.62	1261.63	11
9	E	1162.57	1145.54	1144.56	1132.57	1115.55	1114.56	10
10	E	1291.61	1274.58	1273.60	1003.53	986.50	985.52	9
11	T	1392.66	1375.63	1374.65	874.49	857.46	856.48	8
12	S	1479.69	1462.66	1461.68	773.44	756.41	755.43	7
13	P	1576.74	1559.72	1558.73	686.41	669.38	668.40	6
14	E	1705.79	1688.76	1687.78	589.36	572.33	571.34	5
15	L	1818.87	1801.84	1800.86	460.31	443.29	442.30	4
16	I	1931.95	1914.93	1913.94	347.23	330.20	329.22	3
17	S	2018.99	2001.96	2000.98	234.14	217.12	216.13	2
18	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	18
2	G	86.06	77.55	77.05	1026.51	1017.99	1017.50	17

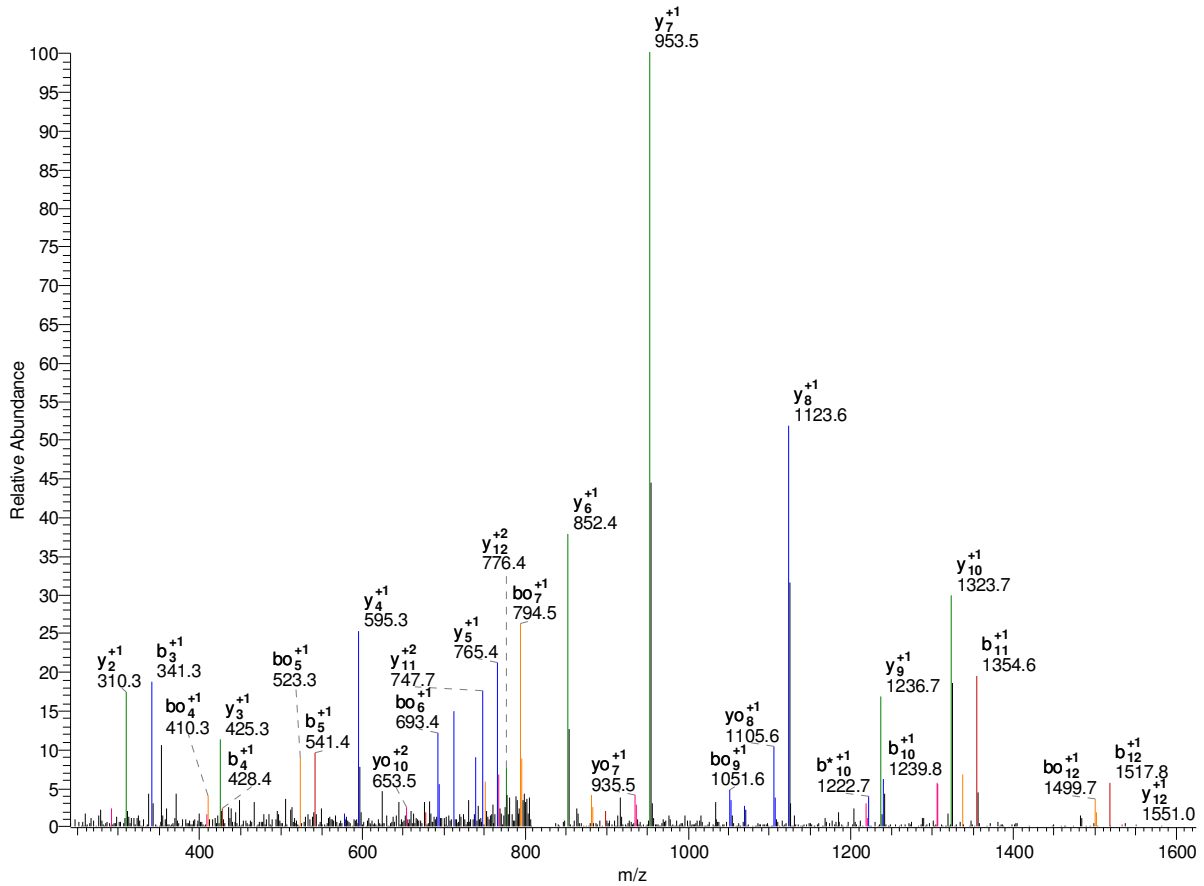
3	F	159.59	151.08	150.59	998.00	989.48	988.99	16
4	N	216.62	208.10	207.61	924.46	915.95	915.46	15
5	K*	301.67	293.16	292.66	867.44	858.93	858.44	14
6	F	375.20	366.69	366.20	782.39	773.87	773.38	13
7	H	443.73	435.22	434.73	708.85	700.34	699.85	12
8	F	517.27	508.75	508.26	640.32	631.81	631.32	11
9	E	581.79	573.27	572.78	566.79	558.28	557.78	10
10	E	646.31	637.80	637.30	502.27	493.76	493.26	9
11	T	696.83	688.32	687.83	437.75	429.23	428.74	8
12	S	740.35	731.84	731.34	387.22	378.71	378.22	7
13	P	788.88	780.36	779.87	343.71	335.19	334.70	6
14	E	853.40	844.88	844.39	295.18	286.67	286.18	5
15	L	909.94	901.43	900.93	230.66	222.15	221.65	4
16	I	966.48	957.97	957.48	174.12	165.60	165.11	3
17	S	1010.00	1001.48	1000.99	117.58	109.06	108.57	2
18	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	18
2	G	57.71	52.03	51.71	684.67	679.00	678.67	17
3	F	106.73	101.06	100.73	665.67	659.99	659.66	16
4	N	144.75	139.07	138.74	616.64	610.97	610.64	15
5	K*	201.45	195.77	195.44	578.63	572.95	572.63	14
6	F	250.47	244.80	244.47	521.93	516.25	515.92	13
7	H	296.16	290.48	290.15	472.91	467.23	466.90	12
8	F	345.18	339.50	339.18	427.22	421.54	421.22	11
9	E	388.19	382.52	382.19	378.20	372.52	372.19	10
10	E	431.21	425.53	425.20	335.18	329.51	329.18	9
11	T	464.89	459.22	458.89	292.17	286.49	286.16	8
12	S	493.90	488.23	487.90	258.48	252.81	252.48	7
13	P	526.25	520.58	520.25	229.47	223.80	223.47	6
14	E	569.27	563.59	563.26	197.12	191.45	191.12	5
15	L	606.96	601.29	600.96	154.11	148.43	148.11	4
16	I	644.66	638.98	638.65	116.41	110.74	110.41	3
17	S	673.67	667.99	667.66	78.72	73.04	72.72	2
18	K	-	-	-	49.71	44.03	43.71	1

-

1663.93 K.LGK*SLK*TSK*K*DYK.I
 psu|PF10_0143 | organism=Plasmodium_falciparum_3D7 | product=transcriptional activator
 ADA2, putati 1868 - 1881
 #3257-3257 NL: 1.33E3



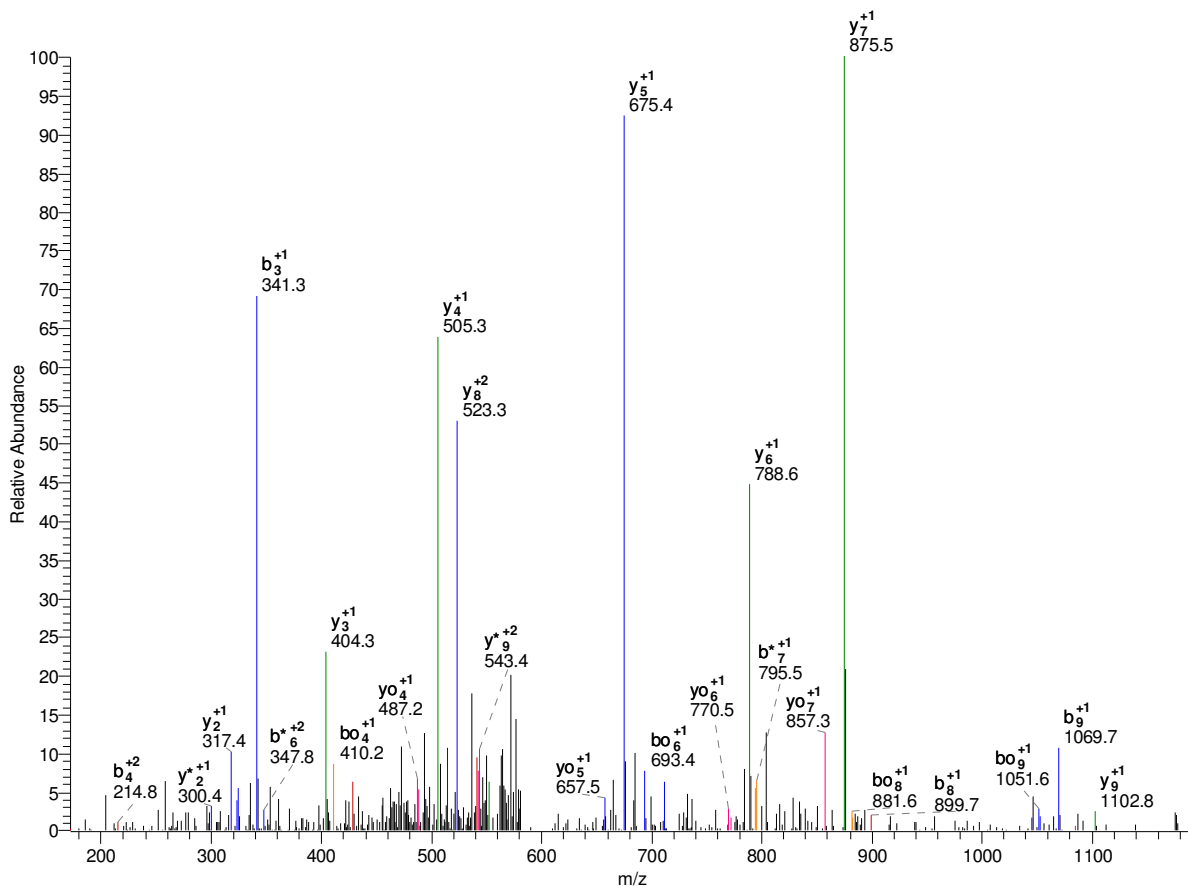
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	13
2	G	171.11	154.09	153.10	1550.84	1533.82	1532.83	12
3	K*	341.22	324.19	323.21	1493.82	1476.79	1475.81	11
4	S	428.25	411.22	410.24	1323.72	1306.69	1305.70	10
5	L	541.33	524.31	523.32	1236.68	1219.66	1218.67	9
6	K*	711.44	694.41	693.43	1123.60	1106.57	1105.59	8
7	T	812.49	795.46	794.48	953.49	936.47	935.48	7
8	S	899.52	882.49	881.51	852.45	835.42	834.44	6
9	K*	1069.63	1052.60	1051.61	765.41	748.39	747.40	5
10	K*	1239.73	1222.70	1221.72	595.31	578.28	577.30	4
11	D	1354.76	1337.73	1336.75	425.20	408.18	407.19	3
12	Y	1517.82	1500.79	1499.81	310.18	293.15	292.17	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	13
2	G	86.06	77.55	77.05	775.92	767.41	766.92	12
3	K*	171.11	162.60	162.11	747.41	738.90	738.41	11
4	S	214.63	206.12	205.62	662.36	653.85	653.36	10
5	L	271.17	262.66	262.17	618.85	610.33	609.84	9
6	K*	356.22	347.71	347.22	562.30	553.79	553.30	8
7	T	406.75	398.23	397.74	477.25	468.74	468.25	7

8	S	450.26	441.75	441.26	426.73	418.21	417.72	6
9	K*	535.32	526.80	526.31	383.21	374.70	374.21	5
10	K*	620.37	611.86	611.36	298.16	289.64	289.15	4
11	D	677.88	669.37	668.88	213.11	204.59	204.10	3
12	Y	759.41	750.90	750.41	155.59	147.08	146.59	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1215.73 K.LGK*SLK*TSK*K.D
 psu|PF10_0143 | organism=Plasmodium_falciparum_3D7 | product=transcriptional activator
 ADA2, putati 1868 - 1878
 #1740-1740 NL: 2.57E2

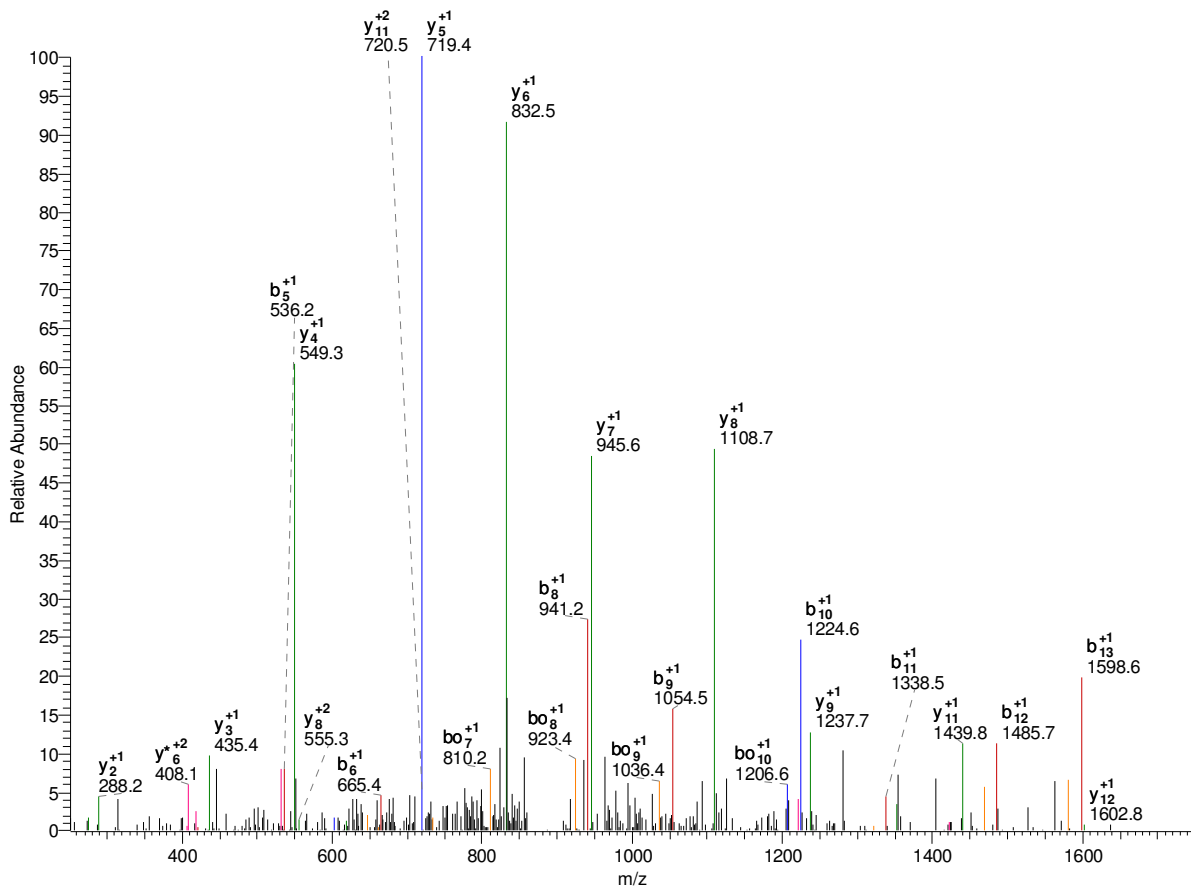


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	10
2	G	171.11	154.09	153.10	1102.65	1085.62	1084.64	9
3	K*	341.22	324.19	323.21	1045.63	1028.60	1027.61	8
4	S	428.25	411.22	410.24	875.52	858.49	857.51	7
5	L	541.33	524.31	523.32	788.49	771.46	770.48	6
6	K*	711.44	694.41	693.43	675.40	658.38	657.39	5
7	T	812.49	795.46	794.48	505.30	488.27	487.29	4
8	S	899.52	882.49	881.51	404.25	387.22	386.24	3
9	K*	1069.63	1052.60	1051.61	317.22	300.19	299.21	2
10	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	10
2	G	86.06	77.55	77.05	551.83	543.31	542.82	9
3	K*	171.11	162.60	162.11	523.32	514.80	514.31	8
4	S	214.63	206.12	205.62	438.26	429.75	429.26	7
5	L	271.17	262.66	262.17	394.75	386.23	385.74	6
6	K*	356.22	347.71	347.22	338.21	329.69	329.20	5
7	T	406.75	398.23	397.74	253.15	244.64	244.15	4
8	S	450.26	441.75	441.26	202.63	194.12	193.62	3
9	K*	535.32	526.80	526.31	159.11	150.60	150.11	2
10	K	-	-	-	74.06	65.55	65.05	1

—

1772.92 K.LGYSDEYILK*NFLR.V
 psu|PF10650c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 128 - 142
 #9635-9635 NL: 1.78E2



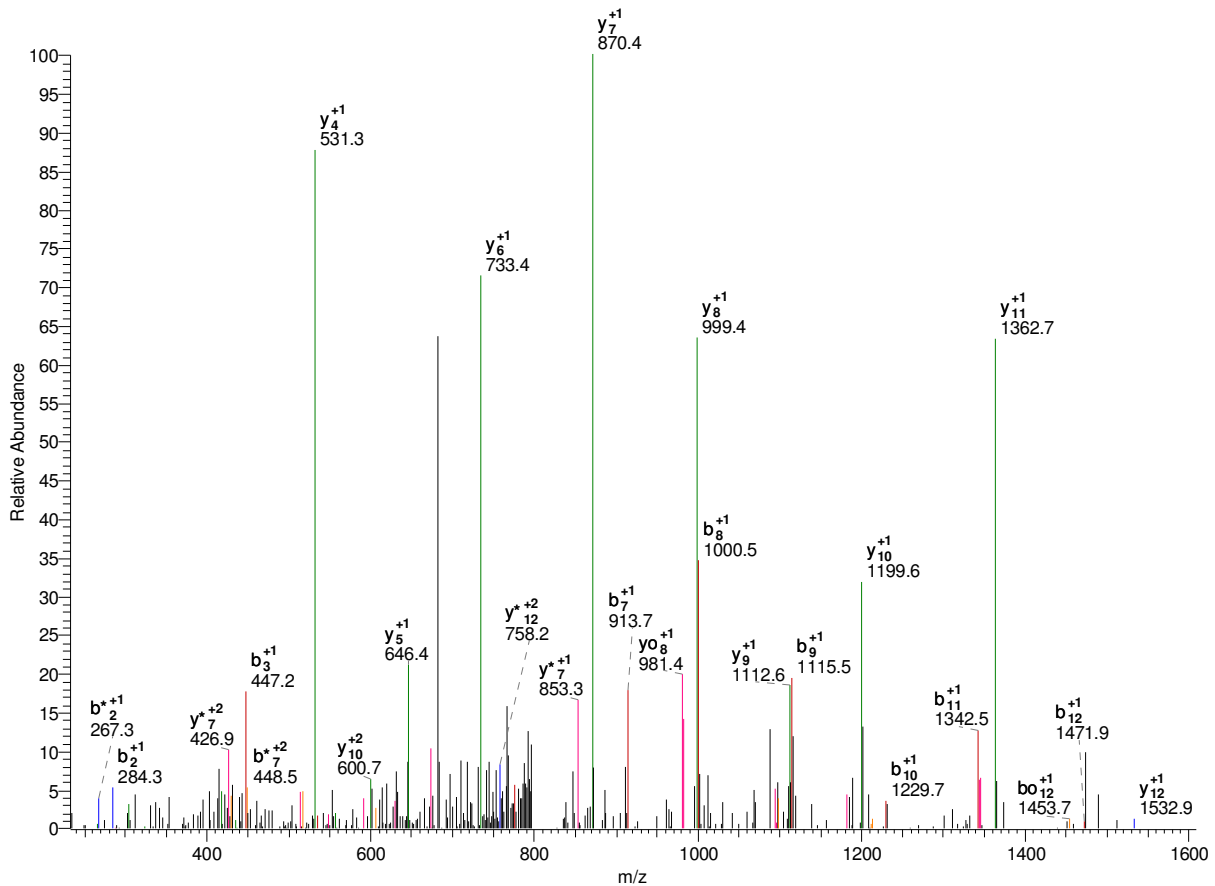
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	14
2	G	171.11	154.09	153.10	1659.84	1642.81	1641.83	13
3	Y	334.18	317.15	316.17	1602.82	1585.79	1584.81	12
4	S	421.21	404.18	403.20	1439.75	1422.73	1421.74	11
5	D	536.24	519.21	518.22	1352.72	1335.69	1334.71	10
6	E	665.28	648.25	647.27	1237.69	1220.67	1219.68	9
7	Y	828.34	811.31	810.33	1108.65	1091.62	1090.64	8
8	I	941.43	924.40	923.41	945.59	928.56	927.58	7
9	L	1054.51	1037.48	1036.50	832.50	815.48	814.49	6
10	K*	1224.61	1207.59	1206.60	719.42	702.39	701.41	5
11	N	1338.66	1321.63	1320.65	549.31	532.29	531.30	4
12	F	1485.73	1468.70	1467.72	435.27	418.24	417.26	3
13	L	1598.81	1581.78	1580.80	288.20	271.18	270.19	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	14
2	G	86.06	77.55	77.05	830.42	821.91	821.42	13
3	Y	167.59	159.08	158.59	801.91	793.40	792.91	12
4	S	211.11	202.59	202.10	720.38	711.87	711.37	11
5	D	268.62	260.11	259.62	676.86	668.35	667.86	10
6	E	333.14	324.63	324.14	619.35	610.84	610.35	9

7	Y	414.67	406.16	405.67	554.83	546.32	545.82	8
8	I	471.22	462.70	462.21	473.30	464.78	464.29	7
9	L	527.76	519.24	518.75	416.76	408.24	407.75	6
10	K*	612.81	604.30	603.81	360.21	351.70	351.21	5
11	N	669.83	661.32	660.83	275.16	266.65	266.16	4
12	F	743.37	734.85	734.36	218.14	209.63	209.13	3
13	L	799.91	791.40	790.90	144.61	136.09	135.60	2
14	R	-	-	-	88.06	79.55	79.06	1

-

1645.82 K.LK*YSLEHSDNIER.L
 psu|PFL0340w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 307 - 320
 #2577-2577 NL: 1.36E2



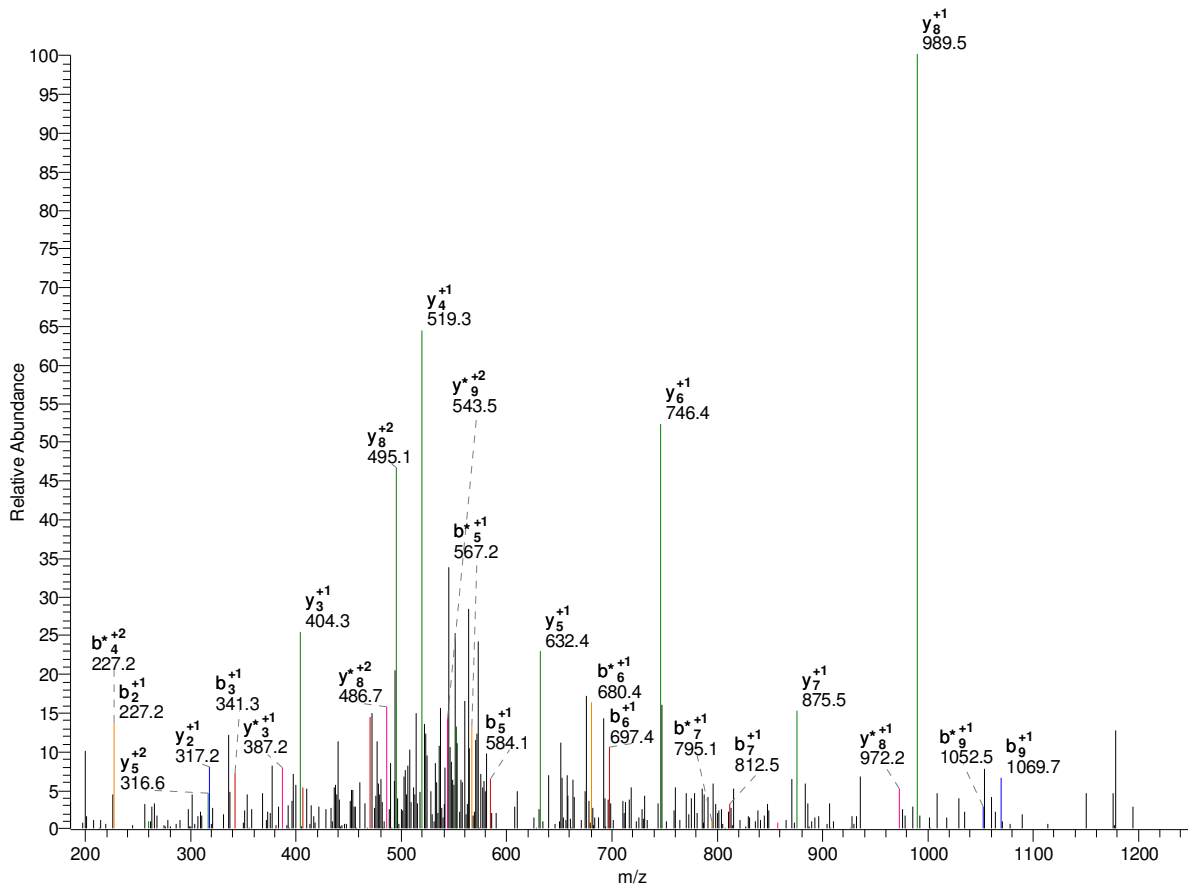
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	13
2	K*	284.20	267.17	266.19	1532.73	1515.71	1514.72	12
3	Y	447.26	430.23	429.25	1362.63	1345.60	1344.62	11
4	S	534.29	517.27	516.28	1199.57	1182.54	1181.55	10
5	L	647.38	630.35	629.37	1112.53	1095.51	1094.52	9
6	E	776.42	759.39	758.41	999.45	982.42	981.44	8
7	H	913.48	896.45	895.47	870.41	853.38	852.40	7
8	S	1000.51	983.48	982.50	733.35	716.32	715.34	6
9	D	1115.54	1098.51	1097.53	646.32	629.29	628.30	5
10	N	1229.58	1212.55	1211.57	531.29	514.26	513.28	4
11	I	1342.66	1325.64	1324.65	417.25	400.22	399.24	3
12	E	1471.71	1454.68	1453.70	304.16	287.13	286.15	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	13
2	K*	142.60	134.09	133.60	766.87	758.36	757.87	12
3	Y	224.13	215.62	215.13	681.82	673.30	672.81	11
4	S	267.65	259.14	258.64	600.29	591.77	591.28	10
5	L	324.19	315.68	315.19	556.77	548.26	547.76	9
6	E	388.71	380.20	379.71	500.23	491.71	491.22	8
7	H	457.24	448.73	448.24	435.71	427.19	426.70	7

8	S	500.76	492.25	491.75	367.18	358.66	358.17	6
9	D	558.27	549.76	549.27	323.66	315.15	314.66	5
10	N	615.29	606.78	606.29	266.15	257.63	257.14	4
11	I	671.84	663.32	662.83	209.13	200.61	200.12	3
12	E	736.36	727.84	727.35	152.58	144.07	143.58	2
13	R	-	-	-	88.06	79.55	79.06	1

-

1215.66 K.LLNENIDSK*K.N Also slightly modified at the second K.
 psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 3303 - 3313
 #2039-2039 NL: 1.11E2

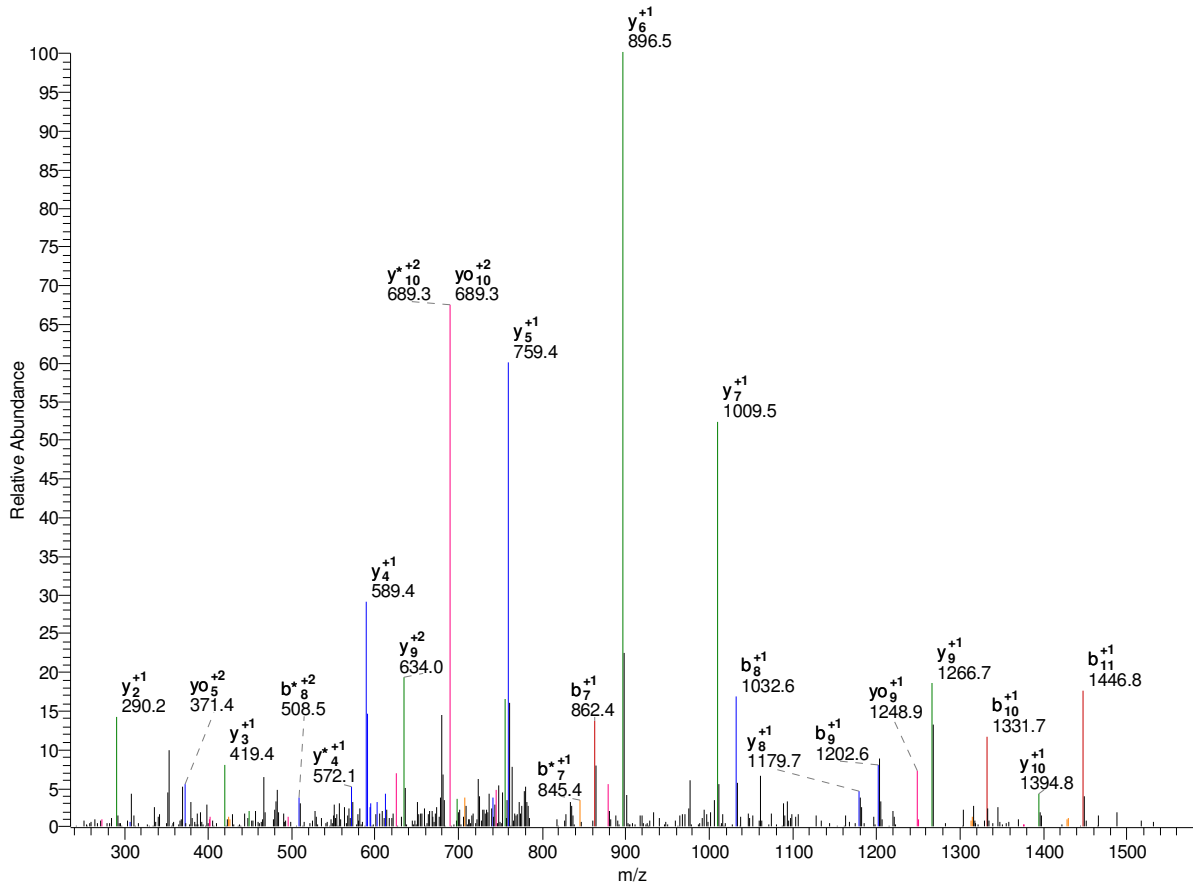


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	10
2	L	227.18	210.15	209.16	1102.57	1085.55	1084.56	9
3	N	341.22	324.19	323.21	989.49	972.46	971.48	8
4	E	470.26	453.23	452.25	875.45	858.42	857.44	7
5	N	584.30	567.28	566.29	746.40	729.38	728.39	6
6	I	697.39	680.36	679.38	632.36	615.33	614.35	5
7	D	812.41	795.39	794.40	519.28	502.25	501.27	4
8	S	899.45	882.42	881.44	404.25	387.22	386.24	3
9	K*	1069.55	1052.53	1051.54	317.22	300.19	299.21	2
10	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	10
2	L	114.09	105.58	105.09	551.79	543.28	542.79	9
3	N	171.11	162.60	162.11	495.25	486.74	486.24	8
4	E	235.63	227.12	226.63	438.23	429.71	429.22	7
5	N	292.66	284.14	283.65	373.71	365.19	364.70	6
6	I	349.20	340.68	340.19	316.68	308.17	307.68	5
7	D	406.71	398.20	397.71	260.14	251.63	251.14	4
8	S	450.23	441.71	441.22	202.63	194.12	193.62	3
9	K*	535.28	526.77	526.27	159.11	150.60	150.11	2
10	K	-	-	-	74.06	65.55	65.05	1

-

1620.91 R.LLQSK*LHK*K*EDR.R
 psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 2094 - 2106
 #2874-2874 NL: 3.46E2



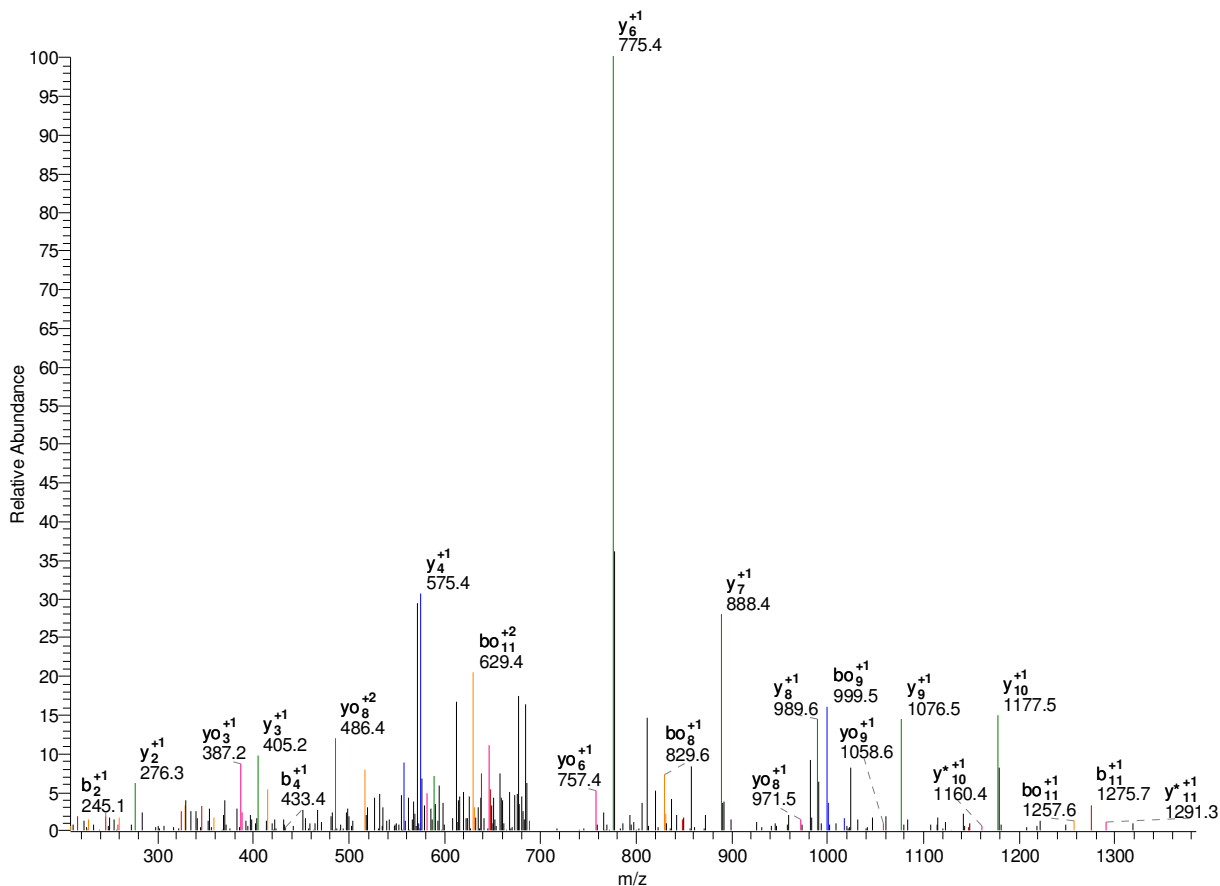
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	12
2	L	227.18	210.15	209.16	1507.82	1490.80	1489.81	11
3	Q	355.23	338.21	337.22	1394.74	1377.71	1376.73	10
4	S	442.27	425.24	424.26	1266.68	1249.65	1248.67	9
5	K*	612.37	595.34	594.36	1179.65	1162.62	1161.64	8
6	L	725.46	708.43	707.45	1009.54	992.52	991.53	7
7	H	862.51	845.49	844.50	896.46	879.43	878.45	6
8	K*	1032.62	1015.59	1014.61	759.40	742.37	741.39	5
9	K*	1202.73	1185.70	1184.72	589.29	572.27	571.28	4
10	E	1331.77	1314.74	1313.76	419.19	402.16	401.18	3
11	D	1446.80	1429.77	1428.78	290.15	273.12	272.14	2
12	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	12
2	L	114.09	105.58	105.09	754.42	745.90	745.41	11
3	Q	178.12	169.61	169.12	697.87	689.36	688.87	10
4	S	221.64	213.12	212.63	633.84	625.33	624.84	9
5	K*	306.69	298.18	297.68	590.33	581.81	581.32	8
6	L	363.23	354.72	354.23	505.27	496.76	496.27	7
7	H	431.76	423.25	422.76	448.73	440.22	439.73	6
8	K*	516.81	508.30	507.81	380.20	371.69	371.20	5

9	K*	601.87	593.35	592.86	295.15	286.64	286.15	4
10	E	666.39	657.87	657.38	210.10	201.58	201.09	3
11	D	723.90	715.39	714.90	145.58	137.06	136.57	2
12	R	-	-	-	88.06	79.55	79.06	1

—

1421.76 K.LMTSTISIK*EEK.L
 psu|PF0835w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 123 - 135
 #2694-2694 NL: 1.81E2



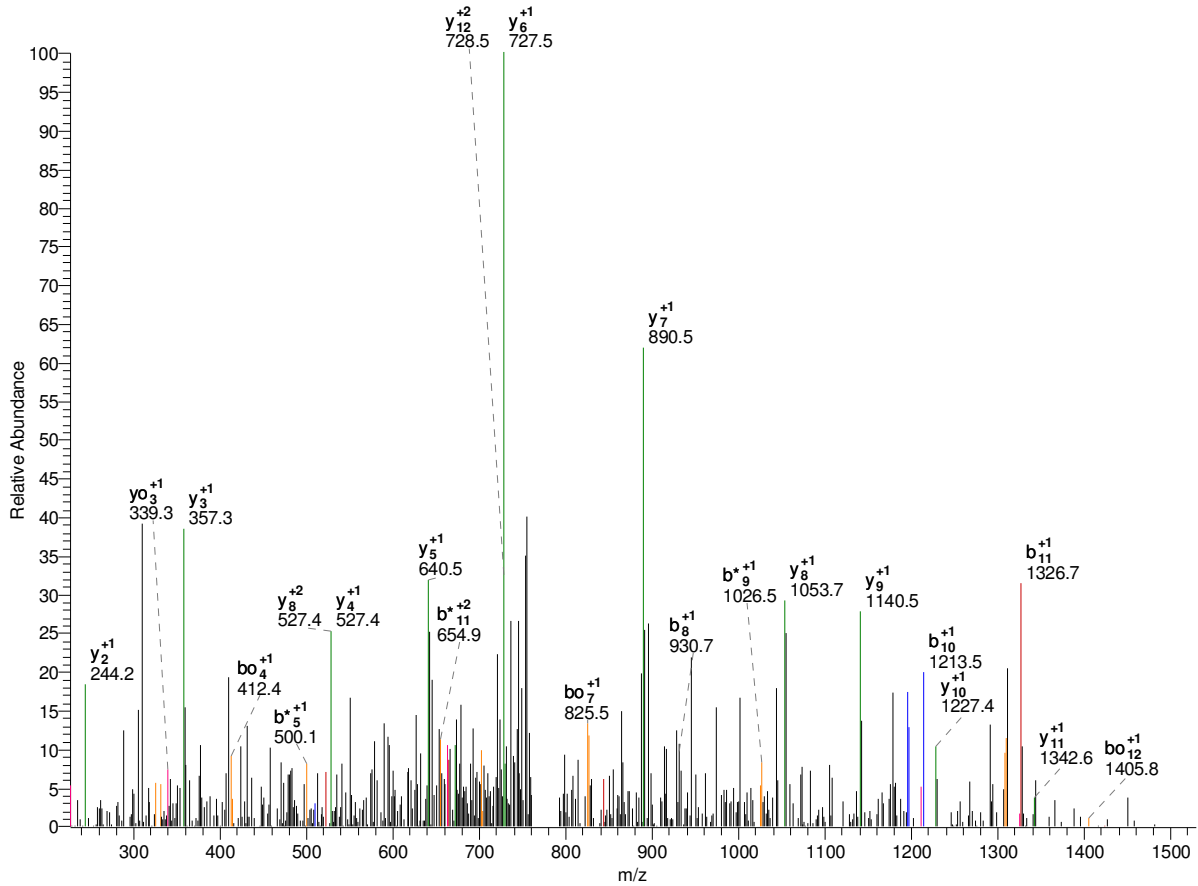
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	12
2	M	245.13	228.11	227.12	1308.67	1291.65	1290.66	11
3	T	346.18	329.15	328.17	1177.63	1160.60	1159.62	10
4	S	433.21	416.18	415.20	1076.58	1059.56	1058.57	9
5	T	534.26	517.23	516.25	989.55	972.52	971.54	8
6	I	647.34	630.32	629.33	888.50	871.48	870.49	7
7	S	734.38	717.35	716.36	775.42	758.39	757.41	6
8	I	847.46	830.43	829.45	688.39	671.36	670.38	5
9	K*	1017.56	1000.54	999.55	575.30	558.28	557.29	4
10	E	1146.61	1129.58	1128.60	405.20	388.17	387.19	3
11	E	1275.65	1258.62	1257.64	276.16	259.13	258.14	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	12
2	M	123.07	114.56	114.06	654.84	646.33	645.83	11
3	T	173.59	165.08	164.59	589.32	580.81	580.31	10
4	S	217.11	208.60	208.10	538.80	530.28	529.79	9
5	T	267.63	259.12	258.63	495.28	486.77	486.27	8
6	I	324.18	315.66	315.17	444.76	436.24	435.75	7
7	S	367.69	359.18	358.69	388.21	379.70	379.21	6
8	I	424.23	415.72	415.23	344.70	336.18	335.69	5

9	K*	509.29	500.77	500.28	288.16	279.64	279.15	4
10	E	573.81	565.29	564.80	203.10	194.59	194.10	3
11	E	638.33	629.82	629.32	138.58	130.07	129.58	2
12	K	-	-	-	74.06	65.55	65.05	1

—

1569.82 K.LNDSSYYSLK*LPK.F
 psu|PF13_0167 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 108 - 121
 #5681-5681 NL: 1.20E2



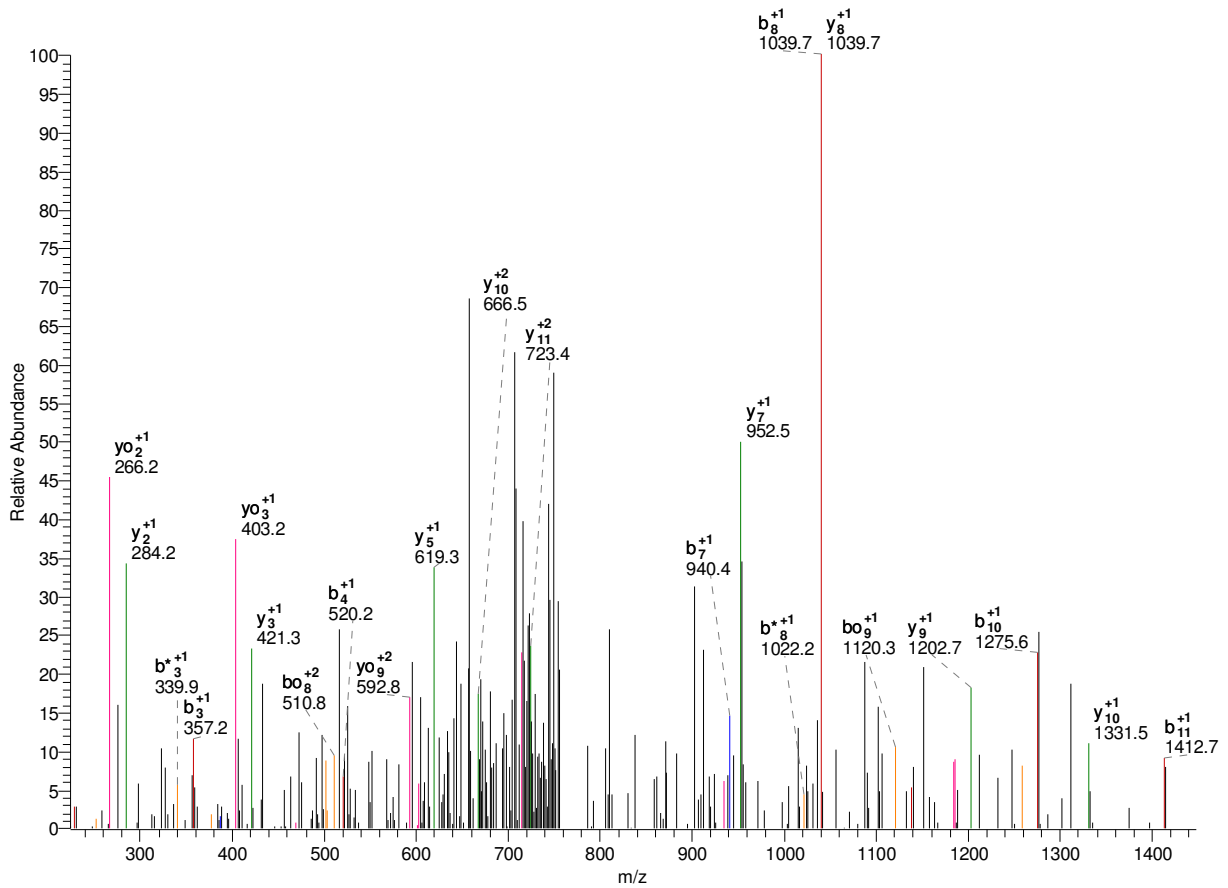
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	13
2	N	228.13	211.11	210.12	1456.73	1439.71	1438.72	12
3	D	343.16	326.13	325.15	1342.69	1325.66	1324.68	11
4	S	430.19	413.17	412.18	1227.66	1210.64	1209.65	10
5	S	517.23	500.20	499.21	1140.63	1123.60	1122.62	9
6	Y	680.29	663.26	662.28	1053.60	1036.57	1035.59	8
7	Y	843.35	826.33	825.34	890.53	873.51	872.52	7
8	S	930.38	913.36	912.37	727.47	710.44	709.46	6
9	L	1043.47	1026.44	1025.46	640.44	623.41	622.43	5
10	K*	1213.57	1196.55	1195.56	527.36	510.33	509.34	4
11	L	1326.66	1309.63	1308.65	357.25	340.22	339.24	3
12	P	1423.71	1406.68	1405.70	244.17	227.14	226.16	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	13
2	N	114.57	106.06	105.57	728.87	720.36	719.86	12
3	D	172.08	163.57	163.08	671.85	663.33	662.84	11
4	S	215.60	207.09	206.59	614.33	605.82	605.33	10
5	S	259.12	250.60	250.11	570.82	562.31	561.81	9
6	Y	340.65	332.13	331.64	527.30	518.79	518.30	8
7	Y	422.18	413.67	413.17	445.77	437.26	436.77	7

8	S	465.70	457.18	456.69	364.24	355.73	355.23	6
9	L	522.24	513.72	513.23	320.72	312.21	311.72	5
10	K*	607.29	598.78	598.29	264.18	255.67	255.18	4
11	L	663.83	655.32	654.83	179.13	170.62	170.12	3
12	P	712.36	703.85	703.35	122.59	114.07	113.58	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1558.80 K.LNEYSYK*VVHHK.S
 psu|PFL1865w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 10 - 22
 #1396-1396 NL: 4.30E1



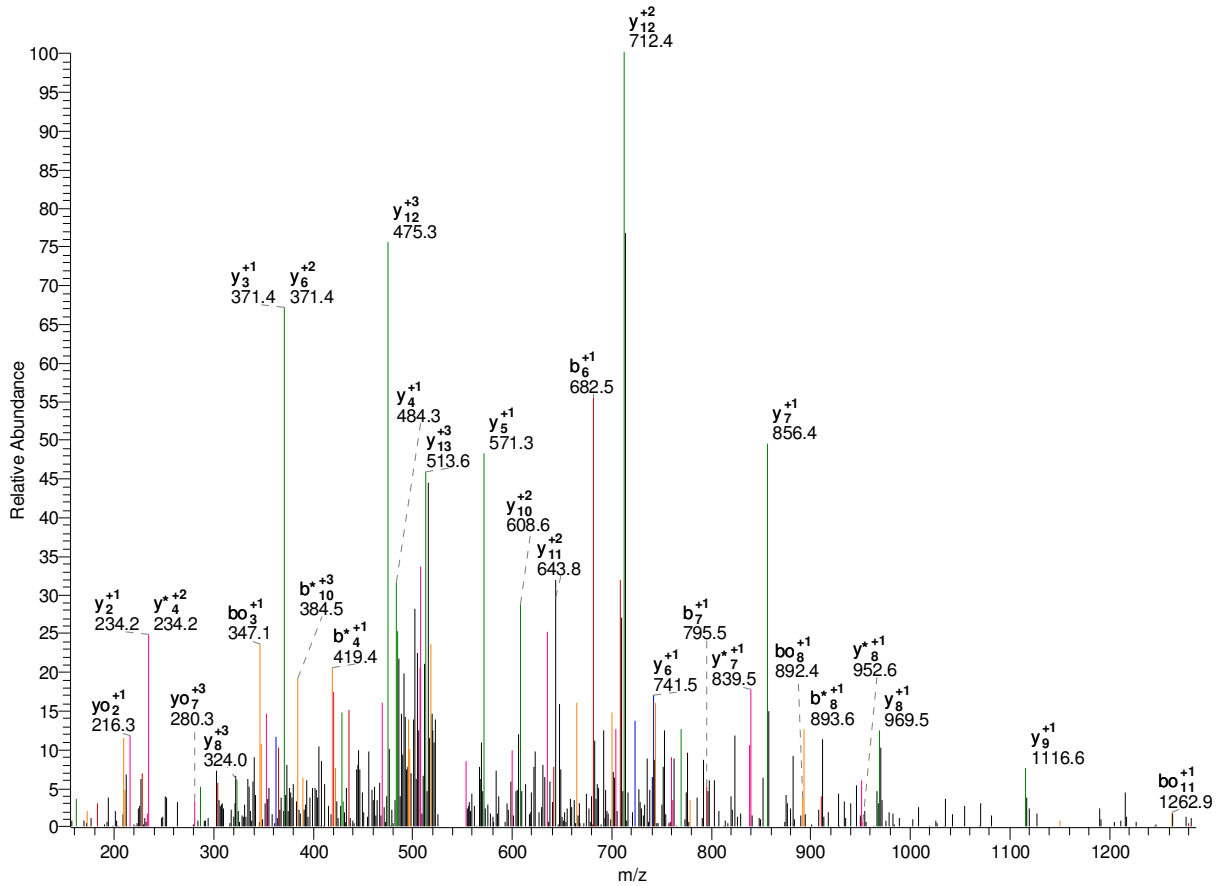
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	12
2	N	228.13	211.11	210.12	1445.72	1428.69	1427.71	11
3	E	357.18	340.15	339.17	1331.67	1314.65	1313.66	10
4	Y	520.24	503.21	502.23	1202.63	1185.61	1184.62	9
5	S	607.27	590.25	589.26	1039.57	1022.54	1021.56	8
6	Y	770.34	753.31	752.32	952.54	935.51	934.53	7
7	K*	940.44	923.41	922.43	789.47	772.45	771.46	6
8	V	1039.51	1022.48	1021.50	619.37	602.34	601.36	5
9	V	1138.58	1121.55	1120.57	520.30	503.27	502.29	4
10	H	1275.64	1258.61	1257.63	421.23	404.20	403.22	3
11	H	1412.70	1395.67	1394.69	284.17	267.15	266.16	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	12
2	N	114.57	106.06	105.57	723.36	714.85	714.36	11
3	E	179.09	170.58	170.09	666.34	657.83	657.34	10
4	Y	260.62	252.11	251.62	601.82	593.31	592.81	9
5	S	304.14	295.63	295.13	520.29	511.77	511.28	8
6	Y	385.67	377.16	376.67	476.77	468.26	467.77	7
7	K*	470.72	462.21	461.72	395.24	386.73	386.23	6
8	V	520.26	511.75	511.25	310.19	301.67	301.18	5

9	V	569.79	561.28	560.79	260.65	252.14	251.65	4
10	H	638.32	629.81	629.32	211.12	202.61	202.11	3
11	H	706.85	698.34	697.85	142.59	134.08	133.58	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1650.90 K.LNHAVIDK*SLHSK.I
 psu|PF14_0205 | organism=Plasmodium_falciparum_3D7 | product=ribosomal protein S25,
 putative | loca 65 - 79
 #3091-3091 NL: 1.48E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	14
2	N	228.13	211.11	210.12	1537.81	1520.79	1519.80	13
3	H	365.19	348.17	347.18	1423.77	1406.74	1405.76	12
4	A	436.23	419.20	418.22	1286.71	1269.68	1268.70	11
5	V	535.30	518.27	517.29	1215.67	1198.65	1197.66	10
6	F	682.37	665.34	664.36	1116.60	1099.58	1098.59	9
7	I	795.45	778.42	777.44	969.54	952.51	951.53	8
8	D	910.48	893.45	892.47	856.45	839.43	838.44	7
9	K*	1080.58	1063.56	1062.57	741.43	724.40	723.41	6
10	S	1167.62	1150.59	1149.61	571.32	554.29	553.31	5
11	L	1280.70	1263.67	1262.69	484.29	467.26	466.28	4
12	H	1417.76	1400.73	1399.75	371.20	354.18	353.19	3
13	S	1504.79	1487.76	1486.78	234.14	217.12	216.13	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	14
2	N	114.57	106.06	105.57	769.41	760.90	760.40	13
3	H	183.10	174.59	174.09	712.39	703.87	703.38	12
4	A	218.62	210.11	209.61	643.86	635.35	634.85	11
5	V	268.15	259.64	259.15	608.34	599.83	599.33	10
6	F	341.69	333.17	332.68	558.81	550.29	549.80	9

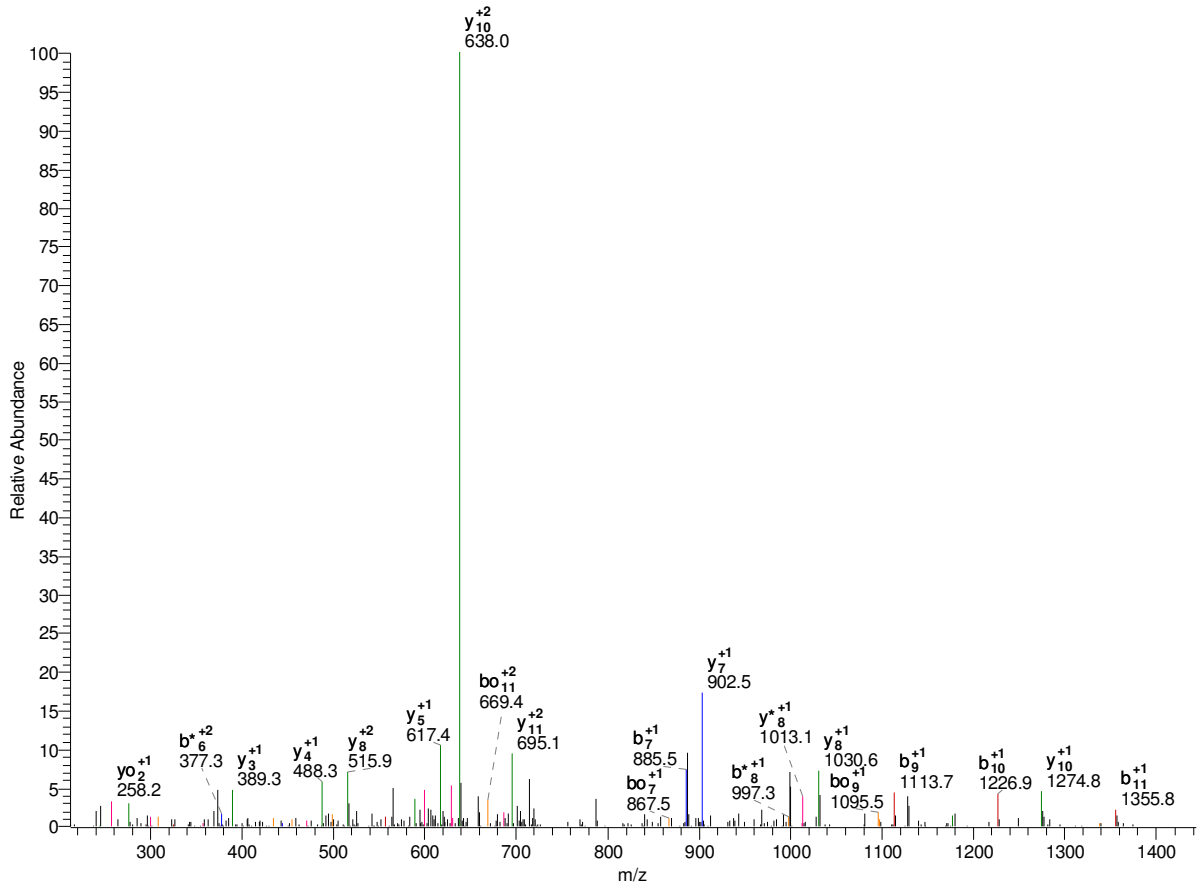
7	I	398.23	389.72	389.22	485.27	476.76	476.27	8
8	D	455.74	447.23	446.74	428.73	420.22	419.72	7
9	K*	540.80	532.28	531.79	371.22	362.70	362.21	6
10	S	584.31	575.80	575.31	286.16	277.65	277.16	5
11	L	640.85	632.34	631.85	242.65	234.13	233.64	4
12	H	709.38	700.87	700.38	186.11	177.59	177.10	3
13	S	752.90	744.39	743.89	117.58	109.06	108.57	2
14	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	14
2	N	76.72	71.04	70.71	513.28	507.60	507.27	13
3	H	122.40	116.73	116.40	475.26	469.59	469.26	12
4	A	146.08	140.41	140.08	429.57	423.90	423.57	11
5	V	179.10	173.43	173.10	405.90	400.22	399.89	10
6	F	228.13	222.45	222.12	372.87	367.20	366.87	9
7	I	265.82	260.15	259.82	323.85	318.17	317.85	8
8	D	304.16	298.49	298.16	286.16	280.48	280.15	7
9	K*	360.87	355.19	354.86	247.81	242.14	241.81	6
10	S	389.88	384.20	383.87	191.11	185.44	185.11	5
11	L	427.57	421.90	421.57	162.10	156.43	156.10	4
12	H	473.26	467.58	467.25	124.41	118.73	118.40	3
13	S	502.27	496.59	496.26	78.72	73.04	72.72	2
14	K	-	-	-	49.71	44.03	43.71	1

-

1501.83 K.LNPFKK*DEVIEK.T
 psu|PF14_0102 | organism=Plasmodium_falciparum_3D7 | product=rhoptry-associated
 protein 1, RAP1 | 1 301 - 313
 #3849-3849 NL: 4.44E2



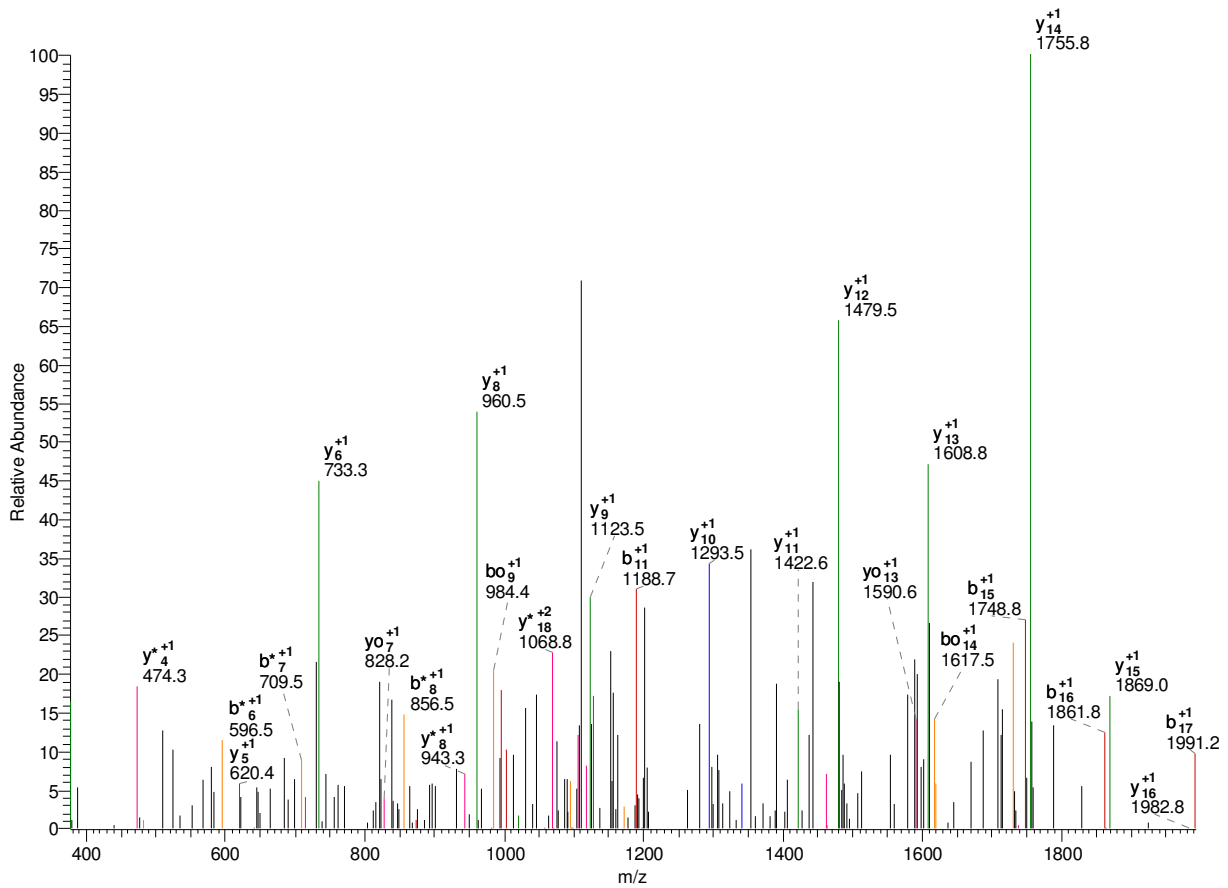
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	12
2	N	228.13	211.11	210.12	1388.74	1371.72	1370.73	11
3	P	325.19	308.16	307.18	1274.70	1257.67	1256.69	10
4	F	472.26	455.23	454.24	1177.65	1160.62	1159.64	9
5	K	600.35	583.32	582.34	1030.58	1013.55	1012.57	8
6	K*	770.46	753.43	752.45	902.48	885.46	884.47	7
7	D	885.48	868.46	867.47	732.38	715.35	714.37	6
8	E	1014.53	997.50	996.51	617.35	600.32	599.34	5
9	V	1113.59	1096.57	1095.58	488.31	471.28	470.30	4
10	I	1226.68	1209.65	1208.67	389.24	372.21	371.23	3
11	E	1355.72	1338.69	1337.71	276.16	259.13	258.14	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	12
2	N	114.57	106.06	105.57	694.87	686.36	685.87	11
3	P	163.10	154.58	154.09	637.85	629.34	628.85	10
4	F	236.63	228.12	227.63	589.33	580.81	580.32	9
5	K	300.68	292.17	291.67	515.79	507.28	506.79	8
6	K*	385.73	377.22	376.73	451.75	443.23	442.74	7
7	D	443.25	434.73	434.24	366.69	358.18	357.69	6
8	E	507.77	499.25	498.76	309.18	300.67	300.17	5

9	V	557.30	548.79	548.30	244.66	236.14	235.65	4
10	I	613.84	605.33	604.84	195.12	186.61	186.12	3
11	E	678.36	669.85	669.36	138.58	130.07	129.58	2
12	K	-	-	-	74.06	65.55	65.05	1

—

2481.25 R.LNTIGNLFEGEK*YNILEDTQK.L
 psu|PFD1170c | organism=Plasmodium_falciparum_3D7 | product=RESA-like protein,
 truncated | location 121 - 142
 #8256-8256 NL: 3.56E1

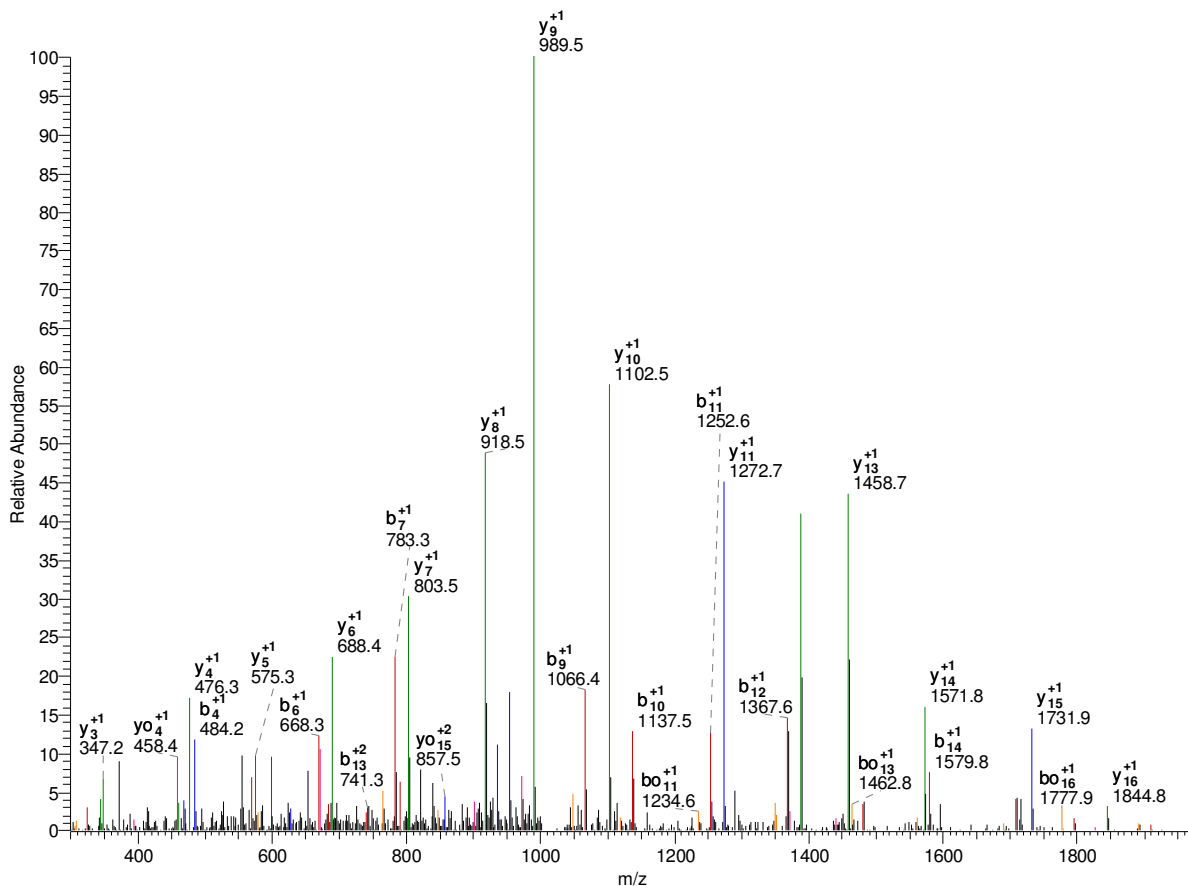


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	21
2	N	228.13	211.11	210.12	2368.17	2351.14	2350.16	20
3	T	329.18	312.16	311.17	2254.12	2237.10	2236.11	19
4	I	442.27	425.24	424.26	2153.08	2136.05	2135.07	18
5	G	499.29	482.26	481.28	2039.99	2022.97	2021.98	17
6	N	613.33	596.30	595.32	1982.97	1965.94	1964.96	16
7	L	726.41	709.39	708.40	1868.93	1851.90	1850.92	15
8	F	873.48	856.46	855.47	1755.84	1738.82	1737.83	14
9	E	1002.53	985.50	984.51	1608.78	1591.75	1590.76	13
10	G	1059.55	1042.52	1041.54	1479.73	1462.71	1461.72	12
11	E	1188.59	1171.56	1170.58	1422.71	1405.68	1404.70	11
12	K*	1358.70	1341.67	1340.68	1293.67	1276.64	1275.66	10
13	Y	1521.76	1504.73	1503.75	1123.56	1106.54	1105.55	9
14	N	1635.80	1618.77	1617.79	960.50	943.47	942.49	8
15	I	1748.89	1731.86	1730.87	846.46	829.43	828.45	7
16	L	1861.97	1844.94	1843.96	733.37	716.35	715.36	6
17	E	1991.01	1973.99	1973.00	620.29	603.26	602.28	5
18	D	2106.04	2089.01	2088.03	491.25	474.22	473.24	4
19	T	2207.09	2190.06	2189.08	376.22	359.19	358.21	3
20	Q	2335.15	2318.12	2317.13	275.17	258.14	257.16	2
21	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	21
2	N	114.57	106.06	105.57	1184.59	1176.07	1175.58	20
3	T	165.09	156.58	156.09	1127.57	1119.05	1118.56	19
4	I	221.64	213.12	212.63	1077.04	1068.53	1068.04	18
5	G	250.15	241.63	241.14	1020.50	1011.99	1011.49	17
6	N	307.17	298.66	298.16	991.99	983.48	982.98	16
7	L	363.71	355.20	354.71	934.97	926.45	925.96	15
8	F	437.25	428.73	428.24	878.43	869.91	869.42	14
9	E	501.77	493.25	492.76	804.89	796.38	795.89	13
10	G	530.28	521.76	521.27	740.37	731.86	731.36	12
11	E	594.80	586.29	585.79	711.86	703.35	702.85	11
12	K*	679.85	671.34	670.85	647.34	638.82	638.33	10
13	Y	761.38	752.87	752.38	562.29	553.77	553.28	9
14	N	818.40	809.89	809.40	480.75	472.24	471.75	8
15	I	874.95	866.43	865.94	423.73	415.22	414.73	7
16	L	931.49	922.98	922.48	367.19	358.68	358.18	6
17	E	996.01	987.50	987.00	310.65	302.13	301.64	5
18	D	1053.52	1045.01	1044.52	246.13	237.61	237.12	4
19	T	1104.05	1095.53	1095.04	188.61	180.10	179.61	3
20	Q	1168.08	1159.56	1159.07	138.09	129.58	129.08	2
21	K	-	-	-	74.06	65.55	65.05	1

-

2055.10 K.LPIC@LADK*LADDLVESIK.I
 psu|PFF0430w | organism=Plasmodium_falciparum_3D7 | product=chaperone, putative |
 location=MAL6:358 163 - 181
 #8438-8438 NL: 8.92E2



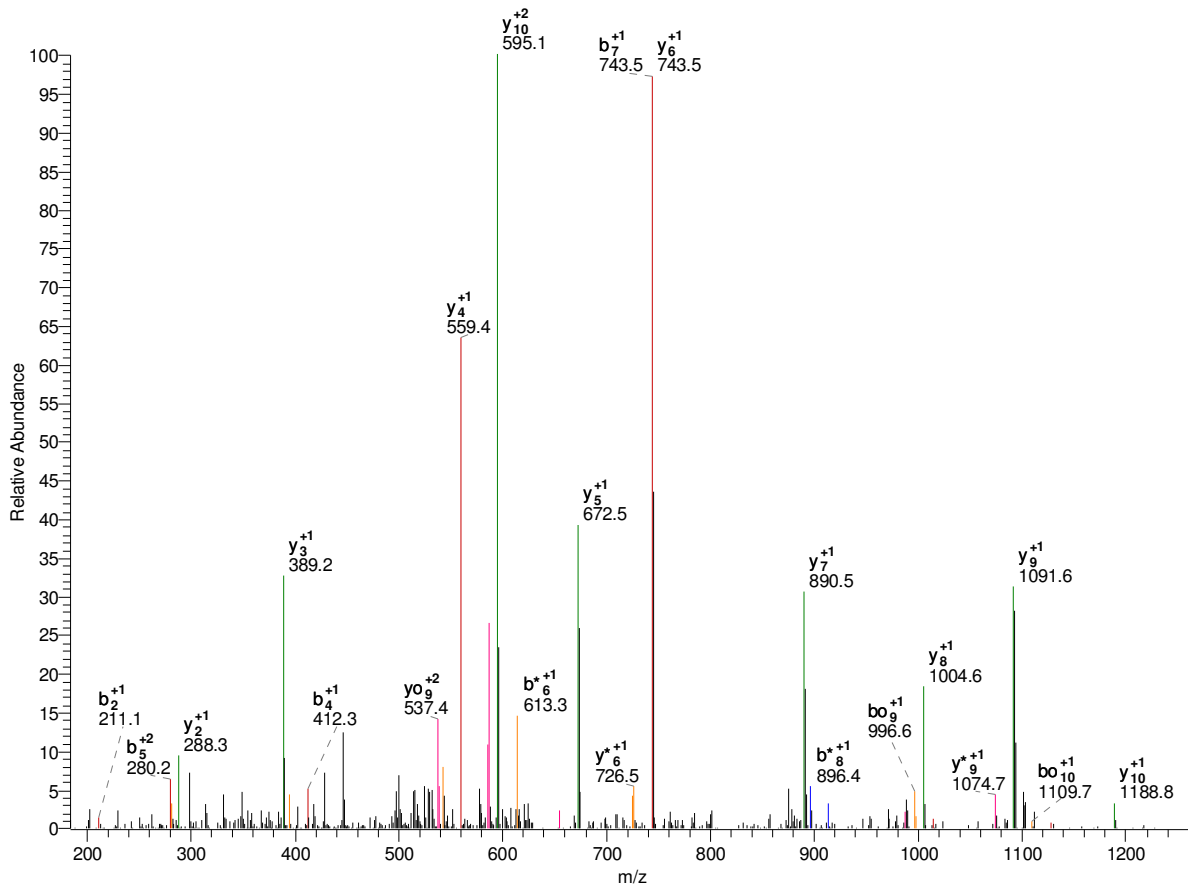
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	18
2	P	211.14	194.12	193.13	1942.02	1924.99	1924.01	17
3	I	324.23	307.20	306.22	1844.97	1827.94	1826.96	16
4	C@	484.26	467.23	466.25	1731.88	1714.86	1713.87	15
5	L	597.34	580.32	579.33	1571.85	1554.83	1553.84	14
6	A	668.38	651.35	650.37	1458.77	1441.74	1440.76	13
7	D	783.41	766.38	765.40	1387.73	1370.70	1369.72	12
8	K*	953.51	936.49	935.50	1272.70	1255.68	1254.69	11
9	L	1066.60	1049.57	1048.59	1102.60	1085.57	1084.59	10
10	A	1137.63	1120.61	1119.62	989.51	972.49	971.50	9
11	D	1252.66	1235.63	1234.65	918.48	901.45	900.47	8
12	D	1367.69	1350.66	1349.68	803.45	786.42	785.44	7
13	L	1480.77	1463.75	1462.76	688.42	671.40	670.41	6
14	V	1579.84	1562.81	1561.83	575.34	558.31	557.33	5
15	E	1708.88	1691.86	1690.87	476.27	459.24	458.26	4
16	S	1795.91	1778.89	1777.90	347.23	330.20	329.22	3
17	I	1909.00	1891.97	1890.99	260.20	243.17	242.19	2
18	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	18
2	P	106.08	97.56	97.07	971.51	963.00	962.51	17

3	I	162.62	154.10	153.61	922.99	914.47	913.98	16
4	C@	242.63	234.12	233.63	866.45	857.93	857.44	15
5	L	299.18	290.66	290.17	786.43	777.92	777.42	14
6	A	334.69	326.18	325.69	729.89	721.37	720.88	13
7	D	392.21	383.69	383.20	694.37	685.86	685.36	12
8	K*	477.26	468.75	468.25	636.86	628.34	627.85	11
9	L	533.80	525.29	524.80	551.80	543.29	542.80	10
10	A	569.32	560.81	560.32	495.26	486.75	486.26	9
11	D	626.83	618.32	617.83	459.74	451.23	450.74	8
12	D	684.35	675.83	675.34	402.23	393.72	393.22	7
13	L	740.89	732.38	731.88	344.72	336.20	335.71	6
14	V	790.42	781.91	781.42	288.17	279.66	279.17	5
15	E	854.94	846.43	845.94	238.64	230.13	229.63	4
16	S	898.46	889.95	889.46	174.12	165.60	165.11	3
17	I	955.00	946.49	946.00	130.60	122.09	121.60	2
18	K	-	-	-	74.06	65.55	65.05	1

-

1301.76 K.LPSNFALK*TIR.K
 psu|PFD0900w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 192 - 203
 #4324-4324 NL: 6.83E2



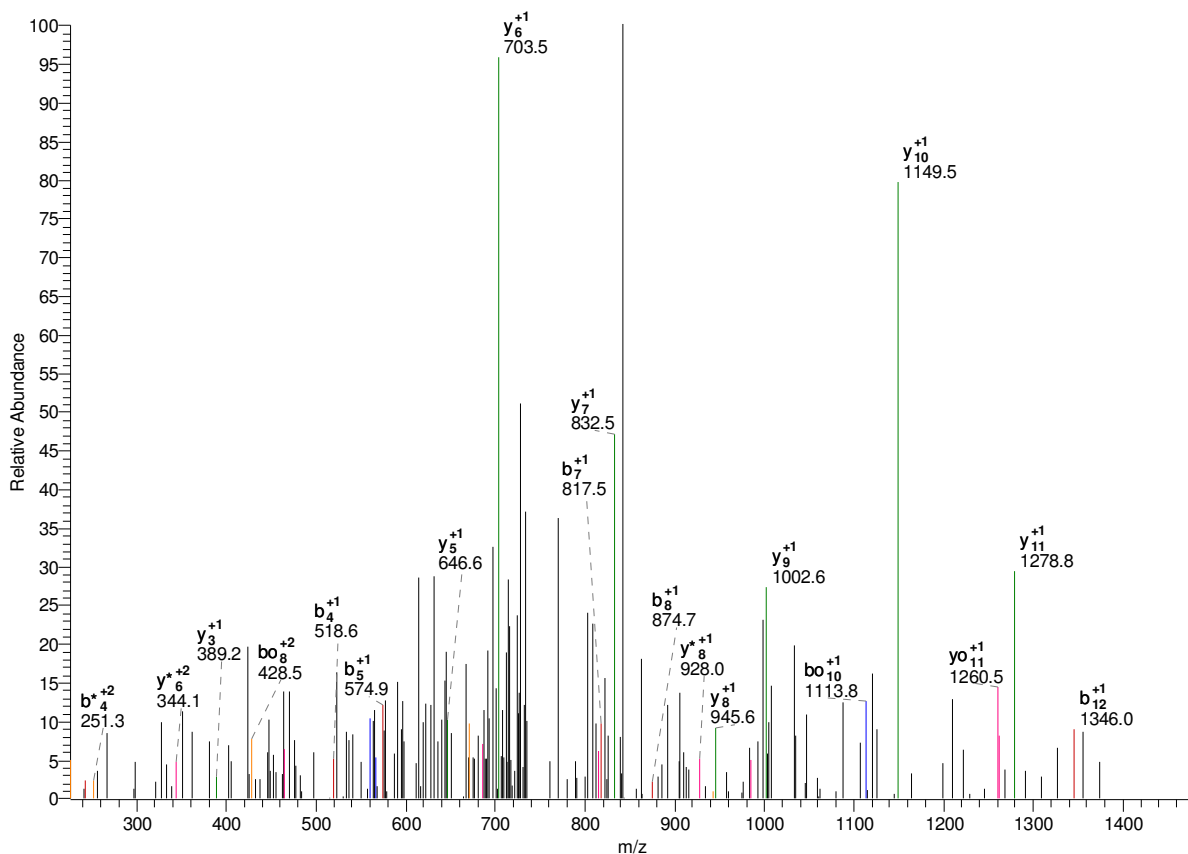
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	11
2	P	211.14	194.12	193.13	1188.67	1171.65	1170.66	10
3	S	298.18	281.15	280.17	1091.62	1074.59	1073.61	9
4	N	412.22	395.19	394.21	1004.59	987.56	986.58	8
5	F	559.29	542.26	541.28	890.55	873.52	872.54	7
6	A	630.32	613.30	612.31	743.48	726.45	725.47	6
7	L	743.41	726.38	725.40	672.44	655.41	654.43	5
8	K*	913.51	896.49	895.50	559.36	542.33	541.35	4
9	T	1014.56	997.54	996.55	389.25	372.22	371.24	3
10	I	1127.65	1110.62	1109.64	288.20	271.18	270.19	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	11
2	P	106.08	97.56	97.07	594.84	586.33	585.84	10
3	S	149.59	141.08	140.59	546.31	537.80	537.31	9
4	N	206.61	198.10	197.61	502.80	494.28	493.79	8
5	F	280.15	271.63	271.14	445.78	437.26	436.77	7
6	A	315.67	307.15	306.66	372.24	363.73	363.24	6
7	L	372.21	363.69	363.20	336.72	328.21	327.72	5
8	K*	457.26	448.75	448.26	280.18	271.67	271.18	4
9	T	507.78	499.27	498.78	195.13	186.62	186.12	3

10	I	564.33	555.81	555.32	144.61	136.09	135.60	2
11	R	-	-	-	88.06	79.55	79.06	1

-

1519.81 K.LQEFGIEGSK*TIR.K
 psu|PF0720w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 16 - 29
 #4843-4843 NL: 3.58E1



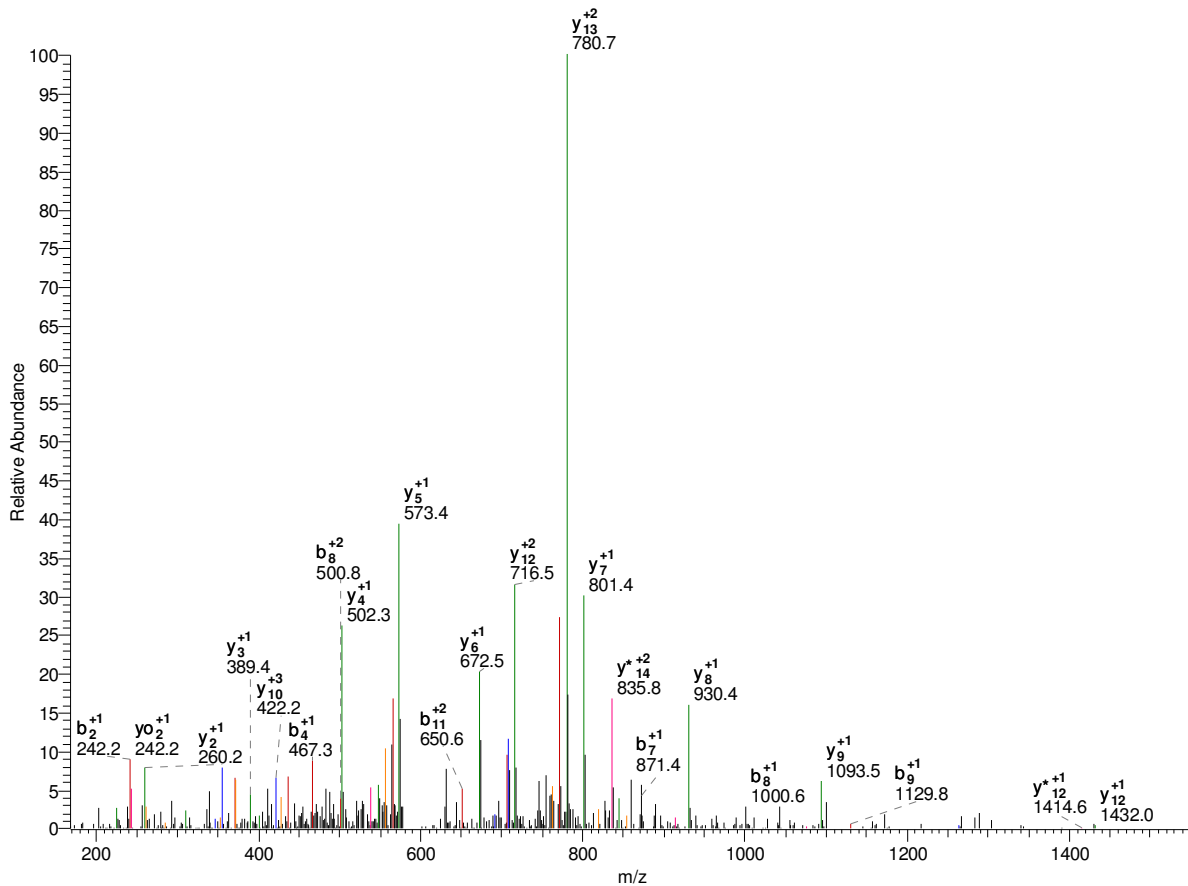
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	13
2	Q	242.15	225.12	224.14	1406.73	1389.70	1388.72	12
3	E	371.19	354.17	353.18	1278.67	1261.64	1260.66	11
4	F	518.26	501.23	500.25	1149.63	1132.60	1131.62	10
5	G	575.28	558.26	557.27	1002.56	985.53	984.55	9
6	I	688.37	671.34	670.36	945.54	928.51	927.53	8
7	E	817.41	800.38	799.40	832.45	815.43	814.44	7
8	G	874.43	857.40	856.42	703.41	686.38	685.40	6
9	S	961.46	944.44	943.45	646.39	629.36	628.38	5
10	K*	1131.57	1114.54	1113.56	559.36	542.33	541.35	4
11	T	1232.62	1215.59	1214.61	389.25	372.22	371.24	3
12	I	1345.70	1328.67	1327.69	288.20	271.18	270.19	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	13
2	Q	121.58	113.07	112.57	703.87	695.35	694.86	12
3	E	186.10	177.59	177.09	639.84	631.32	630.83	11
4	F	259.63	251.12	250.63	575.32	566.80	566.31	10
5	G	288.14	279.63	279.14	501.78	493.27	492.78	9
6	I	344.69	336.17	335.68	473.27	464.76	464.27	8
7	E	409.21	400.69	400.20	416.73	408.22	407.72	7

8	G	437.72	429.21	428.71	352.21	343.70	343.20	6
9	S	481.23	472.72	472.23	323.70	315.18	314.69	5
10	K*	566.29	557.77	557.28	280.18	271.67	271.18	4
11	T	616.81	608.30	607.81	195.13	186.62	186.12	3
12	I	673.35	664.84	664.35	144.61	136.09	135.60	2
13	R	-	-	-	88.06	79.55	79.06	1

-

1801.01 R.LQKPAK*YEEVALEIK.K
 psu|PF14_0598 | organism=Plasmodium_falciparum_3D7 | product=glyceraldehyde-3-phosphate dehydrogenase
 251 - 266
 #5143-5143 NL: 4.22E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	15
2	Q	242.15	225.12	224.14	1687.93	1670.90	1669.92	14
3	K	370.24	353.22	352.23	1559.87	1542.84	1541.86	13
4	P	467.30	450.27	449.29	1431.77	1414.75	1413.76	12
5	A	538.33	521.31	520.32	1334.72	1317.69	1316.71	11
6	K*	708.44	691.41	690.43	1263.68	1246.66	1245.67	10
7	Y	871.50	854.48	853.49	1093.58	1076.55	1075.57	9
8	E	1000.55	983.52	982.54	930.51	913.49	912.50	8
9	E	1129.59	1112.56	1111.58	801.47	784.45	783.46	7
10	V	1228.66	1211.63	1210.65	672.43	655.40	654.42	6
11	A	1299.69	1282.67	1281.68	573.36	556.33	555.35	5
12	L	1412.78	1395.75	1394.77	502.32	485.30	484.31	4
13	E	1541.82	1524.79	1523.81	389.24	372.21	371.23	3
14	I	1654.91	1637.88	1636.89	260.20	243.17	242.19	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	15
2	Q	121.58	113.07	112.57	844.47	835.95	835.46	14
3	K	185.63	177.11	176.62	780.44	771.92	771.43	13
4	P	234.15	225.64	225.15	716.39	707.88	707.38	12
5	A	269.67	261.16	260.67	667.86	659.35	658.86	11

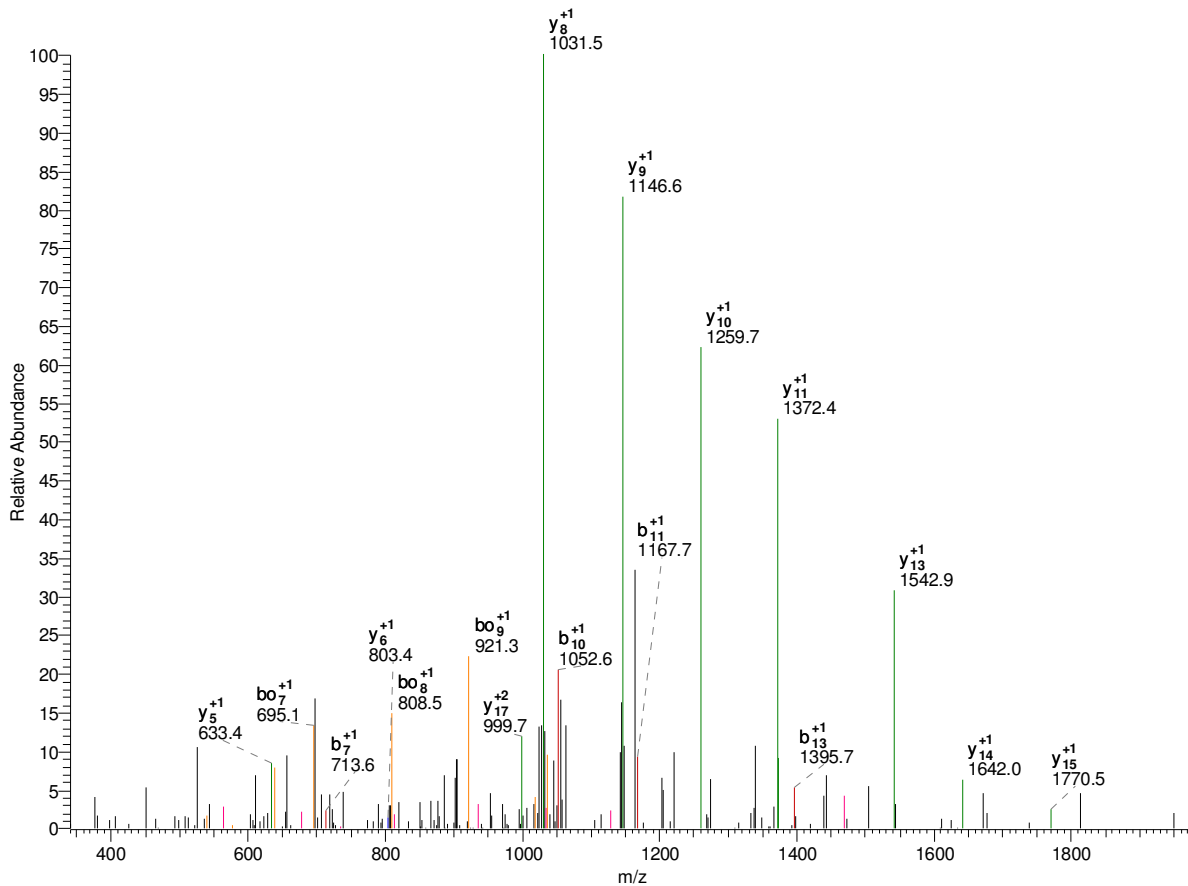
6	K*	354.72	346.21	345.72	632.35	623.83	623.34	10
7	Y	436.26	427.74	427.25	547.29	538.78	538.29	9
8	E	500.78	492.26	491.77	465.76	457.25	456.76	8
9	E	565.30	556.78	556.29	401.24	392.73	392.23	7
10	V	614.83	606.32	605.83	336.72	328.20	327.71	6
11	A	650.35	641.84	641.35	287.18	278.67	278.18	5
12	L	706.89	698.38	697.89	251.67	243.15	242.66	4
13	E	771.41	762.90	762.41	195.12	186.61	186.12	3
14	I	827.96	819.44	818.95	130.60	122.09	121.60	2
15	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	15
2	Q	81.39	75.71	75.38	563.31	557.64	557.31	14
3	K	124.09	118.41	118.08	520.63	514.95	514.62	13
4	P	156.44	150.76	150.43	477.93	472.25	471.93	12
5	A	180.12	174.44	174.11	445.58	439.90	439.57	11
6	K*	236.82	231.14	230.81	421.90	416.22	415.90	10
7	Y	291.17	285.50	285.17	365.20	359.52	359.19	9
8	E	334.19	328.51	328.18	310.84	305.17	304.84	8
9	E	377.20	371.53	371.20	267.83	262.15	261.83	7
10	V	410.22	404.55	404.22	224.81	219.14	218.81	6
11	A	433.90	428.23	427.90	191.79	186.12	185.79	5
12	L	471.60	465.92	465.59	168.11	162.44	162.11	4
13	E	514.61	508.94	508.61	130.42	124.74	124.41	3
14	I	552.31	546.63	546.30	87.40	81.73	81.40	2
15	K	-	-	-	49.71	44.03	43.71	1

-

2198.16 K.LSINEVGLLIDPMK*DEELK.E
 psu|PF11_0098 | organism=Plasmodium_falciparum_3D7 | product=endoplasmic reticulum-
 resident calcium 154 - 173
 #8312-8312NL: 8.18E1



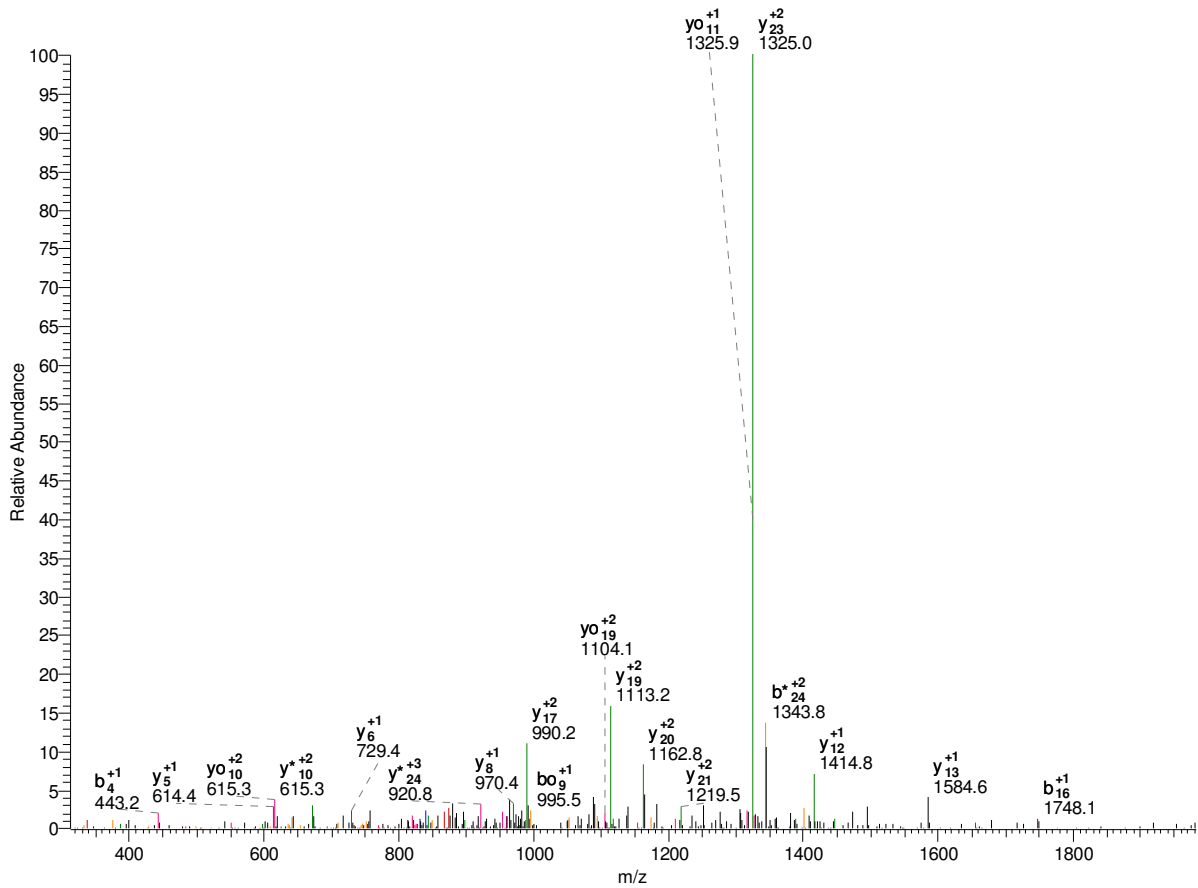
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	19
2	S	201.12	184.10	183.11	2085.08	2068.05	2067.07	18
3	I	314.21	297.18	296.20	1998.05	1981.02	1980.04	17
4	N	428.25	411.22	410.24	1884.96	1867.94	1866.95	16
5	E	557.29	540.27	539.28	1770.92	1753.89	1752.91	15
6	V	656.36	639.33	638.35	1641.88	1624.85	1623.87	14
7	G	713.38	696.36	695.37	1542.81	1525.78	1524.80	13
8	L	826.47	809.44	808.46	1485.79	1468.76	1467.78	12
9	L	939.55	922.52	921.54	1372.70	1355.68	1354.69	11
10	I	1052.64	1035.61	1034.62	1259.62	1242.59	1241.61	10
11	D	1167.66	1150.64	1149.65	1146.53	1129.51	1128.52	9
12	P	1264.71	1247.69	1246.70	1031.51	1014.48	1013.50	8
13	M	1395.76	1378.73	1377.74	934.46	917.43	916.44	7
14	K*	1565.86	1548.83	1547.85	803.41	786.39	785.40	6
15	D	1680.89	1663.86	1662.88	633.31	616.28	615.30	5
16	E	1809.93	1792.90	1791.92	518.28	501.26	500.27	4
17	E	1938.97	1921.95	1920.96	389.24	372.21	371.23	3
18	L	2052.06	2035.03	2034.05	260.20	243.17	242.19	2
19	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	19

2	S	101.07	92.55	92.06	1043.04	1034.53	1034.04	18
3	I	157.61	149.09	148.60	999.53	991.01	990.52	17
4	N	214.63	206.12	205.62	942.98	934.47	933.98	16
5	E	279.15	270.64	270.14	885.96	877.45	876.96	15
6	V	328.68	320.17	319.68	821.44	812.93	812.44	14
7	G	357.20	348.68	348.19	771.91	763.39	762.90	13
8	L	413.74	405.22	404.73	743.40	734.88	734.39	12
9	L	470.28	461.77	461.27	686.86	678.34	677.85	11
10	I	526.82	518.31	517.82	630.31	621.80	621.31	10
11	D	584.33	575.82	575.33	573.77	565.26	564.77	9
12	P	632.86	624.35	623.86	516.26	507.74	507.25	8
13	M	698.38	689.87	689.38	467.73	459.22	458.73	7
14	K*	783.43	774.92	774.43	402.21	393.70	393.21	6
15	D	840.95	832.43	831.94	317.16	308.64	308.15	5
16	E	905.47	896.96	896.46	259.64	251.13	250.64	4
17	E	969.99	961.48	960.98	195.12	186.61	186.12	3
18	L	1026.53	1018.02	1017.53	130.60	122.09	121.60	2
19	K	-	-	-	74.06	65.55	65.05	1

—

3090.64 R.LSNQPNLVFVGEHAK*APEFQIDLNIVR.E
 psu|PF11_0183 | organism=Plasmodium_falciparum_3D7 | product=GTP-binding nuclear
 protein ran/tc4 | 166 - 193
 #9514-9514 NL: 5.32E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	27
2	S	201.12	184.10	183.11	2977.55	2960.53	2959.54	26
3	N	315.17	298.14	297.16	2890.52	2873.49	2872.51	25
4	Q	443.22	426.20	425.21	2776.48	2759.45	2758.47	24
5	P	540.28	523.25	522.27	2648.42	2631.39	2630.41	23
6	N	654.32	637.29	636.31	2551.37	2534.34	2533.36	22
7	L	767.40	750.38	749.39	2437.32	2420.30	2419.31	21
8	V	866.47	849.45	848.46	2324.24	2307.21	2306.23	20
9	F	1013.54	996.51	995.53	2225.17	2208.14	2207.16	19
10	V	1112.61	1095.58	1094.60	2078.10	2061.08	2060.09	18
11	G	1169.63	1152.60	1151.62	1979.03	1962.01	1961.02	17
12	E	1298.67	1281.65	1280.66	1922.01	1904.99	1904.00	16
13	H	1435.73	1418.71	1417.72	1792.97	1775.94	1774.96	15
14	A	1506.77	1489.74	1488.76	1655.91	1638.88	1637.90	14
15	K*	1676.88	1659.85	1658.86	1584.87	1567.85	1566.86	13
16	A	1747.91	1730.89	1729.90	1414.77	1397.74	1396.76	12
17	P	1844.97	1827.94	1826.95	1343.73	1326.71	1325.72	11
18	E	1974.01	1956.98	1956.00	1246.68	1229.65	1228.67	10
19	F	2121.08	2104.05	2103.07	1117.64	1100.61	1099.63	9
20	Q	2249.13	2232.11	2231.12	970.57	953.54	952.56	8
21	I	2362.22	2345.19	2344.21	842.51	825.48	824.50	7
22	D	2477.25	2460.22	2459.24	729.43	712.40	711.41	6

23	L	2590.33	2573.30	2572.32	614.40	597.37	596.39	5
24	N	2704.37	2687.35	2686.36	501.31	484.29	483.30	4
25	I	2817.46	2800.43	2799.45	387.27	370.24	369.26	3
26	V	2916.53	2899.50	2898.51	274.19	257.16	256.18	2
27	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	27
2	S	101.07	92.55	92.06	1489.28	1480.77	1480.27	26
3	N	158.09	149.57	149.08	1445.76	1437.25	1436.76	25
4	Q	222.12	213.60	213.11	1388.74	1380.23	1379.74	24
5	P	270.64	262.13	261.64	1324.71	1316.20	1315.71	23
6	N	327.66	319.15	318.66	1276.19	1267.67	1267.18	22
7	L	384.21	375.69	375.20	1219.17	1210.65	1210.16	21
8	V	433.74	425.23	424.73	1162.62	1154.11	1153.62	20
9	F	507.27	498.76	498.27	1113.09	1104.58	1104.08	19
10	V	556.81	548.30	547.80	1039.56	1031.04	1030.55	18
11	G	585.32	576.81	576.31	990.02	981.51	981.02	17
12	E	649.84	641.33	640.84	961.51	953.00	952.50	16
13	H	718.37	709.86	709.36	896.99	888.48	887.98	15
14	A	753.89	745.38	744.88	828.46	819.95	819.45	14
15	K*	838.94	830.43	829.94	792.94	784.43	783.94	13
16	A	874.46	865.95	865.45	707.89	699.37	698.88	12
17	P	922.99	914.47	913.98	672.37	663.86	663.36	11
18	E	987.51	978.99	978.50	623.84	615.33	614.84	10
19	F	1061.04	1052.53	1052.04	559.32	550.81	550.32	9
20	Q	1125.07	1116.56	1116.07	485.79	477.27	476.78	8
21	I	1181.61	1173.10	1172.61	421.76	413.25	412.75	7
22	D	1239.13	1230.61	1230.12	365.22	356.70	356.21	6
23	L	1295.67	1287.16	1286.66	307.70	299.19	298.70	5
24	N	1352.69	1344.18	1343.68	251.16	242.65	242.16	4
25	I	1409.23	1400.72	1400.23	194.14	185.63	185.13	3
26	V	1458.77	1450.25	1449.76	137.60	129.08	128.59	2
27	R	-	-	-	88.06	79.55	79.06	1

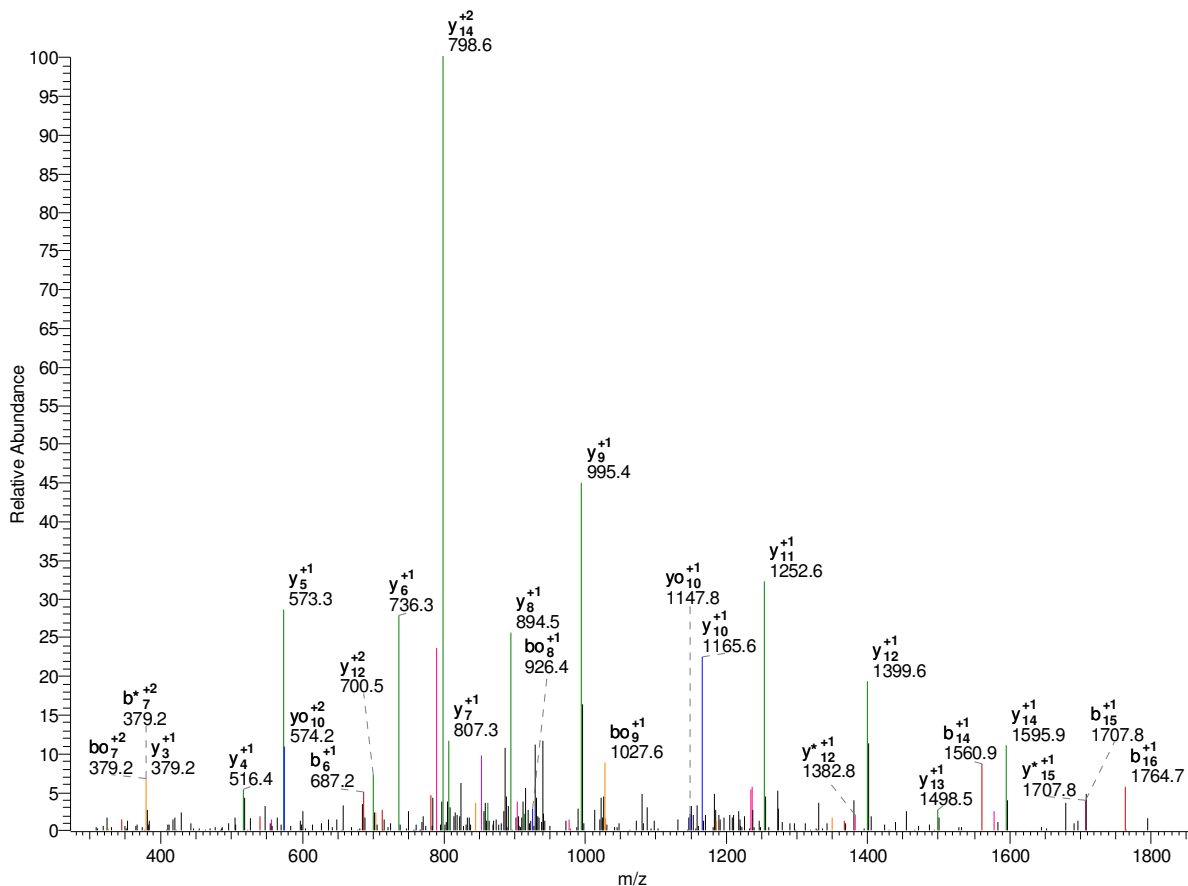
-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	27
2	S	67.71	62.04	61.71	993.19	987.51	987.19	26
3	N	105.73	100.05	99.72	964.18	958.50	958.17	25
4	Q	148.41	142.74	142.41	926.16	920.49	920.16	24
5	P	180.76	175.09	174.76	883.48	877.80	877.47	23
6	N	218.78	213.10	212.77	851.13	845.45	845.12	22
7	L	256.47	250.80	250.47	813.11	807.44	807.11	21
8	V	289.50	283.82	283.49	775.42	769.74	769.41	20
9	F	338.52	332.84	332.52	742.40	736.72	736.39	19
10	V	371.54	365.87	365.54	693.37	687.70	687.37	18
11	G	390.55	384.87	384.55	660.35	654.67	654.35	17
12	E	433.56	427.89	427.56	641.34	635.67	635.34	16
13	H	479.25	473.57	473.25	598.33	592.65	592.32	15
14	A	502.93	497.25	496.92	552.64	546.97	546.64	14
15	K*	559.63	553.95	553.63	528.96	523.29	522.96	13
16	A	583.31	577.63	577.31	472.26	466.59	466.26	12
17	P	615.66	609.98	609.66	448.58	442.91	442.58	11
18	E	658.67	653.00	652.67	416.23	410.56	410.23	10
19	F	707.70	702.02	701.69	373.22	367.54	367.21	9
20	Q	750.38	744.71	744.38	324.19	318.52	318.19	8
21	I	788.08	782.40	782.07	281.51	275.83	275.50	7
22	D	826.42	820.74	820.42	243.81	238.14	237.81	6

23	L	864.11	858.44	858.11	205.47	199.80	199.47	5
24	N	902.13	896.45	896.13	167.78	162.10	161.77	4
25	I	939.82	934.15	933.82	129.76	124.09	123.76	3
26	V	972.85	967.17	966.84	92.07	86.39	86.06	2
27	R	-	-	-	59.04	53.37	53.04	1

-

1938.97 K.LTEPVFSK*TSAYGHFGR.E
 psu|PF11090w | organism=Plasmodium_falciparum_3D7 | product=s-adenosylmethionine
 synthetase, putati 363 - 380
 #5285-5285 NL: 2.21E2



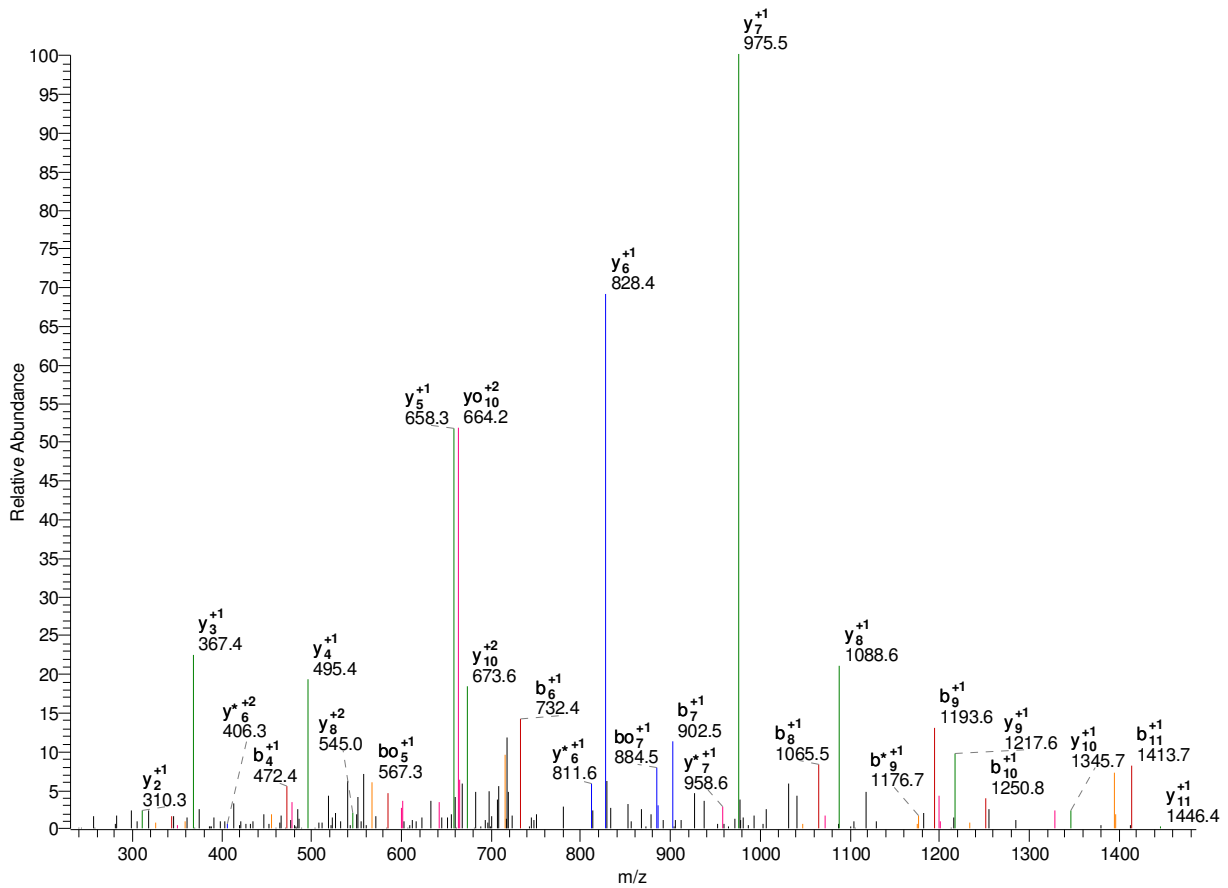
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	17
2	T	215.14	198.11	197.13	1825.89	1808.86	1807.88	16
3	E	344.18	327.16	326.17	1724.84	1707.81	1706.83	15
4	P	441.23	424.21	423.22	1595.80	1578.77	1577.79	14
5	V	540.30	523.28	522.29	1498.74	1481.72	1480.73	13
6	F	687.37	670.34	669.36	1399.68	1382.65	1381.66	12
7	S	774.40	757.38	756.39	1252.61	1235.58	1234.60	11
8	K*	944.51	927.48	926.50	1165.57	1148.55	1147.56	10
9	T	1045.56	1028.53	1027.55	995.47	978.44	977.46	9
10	S	1132.59	1115.56	1114.58	894.42	877.40	876.41	8
11	A	1203.63	1186.60	1185.62	807.39	790.36	789.38	7
12	Y	1366.69	1349.66	1348.68	736.35	719.33	718.34	6
13	G	1423.71	1406.68	1405.70	573.29	556.26	555.28	5
14	H	1560.77	1543.74	1542.76	516.27	499.24	498.26	4
15	F	1707.84	1690.81	1689.83	379.21	362.18	361.20	3
16	G	1764.86	1747.83	1746.85	232.14	215.11	214.13	2
17	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	17
2	T	108.07	99.56	99.07	913.45	904.93	904.44	16
3	E	172.59	164.08	163.59	862.92	854.41	853.92	15

4	P	221.12	212.61	212.12	798.40	789.89	789.40	14
5	V	270.66	262.14	261.65	749.88	741.36	740.87	13
6	F	344.19	335.68	335.18	700.34	691.83	691.34	12
7	S	387.71	379.19	378.70	626.81	618.29	617.80	11
8	K*	472.76	464.24	463.75	583.29	574.78	574.29	10
9	T	523.28	514.77	514.28	498.24	489.73	489.23	9
10	S	566.80	558.28	557.79	447.71	439.20	438.71	8
11	A	602.32	593.80	593.31	404.20	395.69	395.19	7
12	Y	683.85	675.33	674.84	368.68	360.17	359.67	6
13	G	712.36	703.85	703.35	287.15	278.63	278.14	5
14	H	780.89	772.38	771.88	258.64	250.12	249.63	4
15	F	854.42	845.91	845.42	190.11	181.59	181.10	3
16	G	882.93	874.42	873.93	116.57	108.06	107.57	2
17	R	-	-	-	88.06	79.55	79.06	1

-

1559.81 R.LTQELFK*YQGYK.V
 psu|PF13_0156 | organism=Plasmodium_falciparum_3D7 | product=proteasome subunit beta
 type 7 precurs 123 - 135
 #4017-4017 NL: 1.25E2



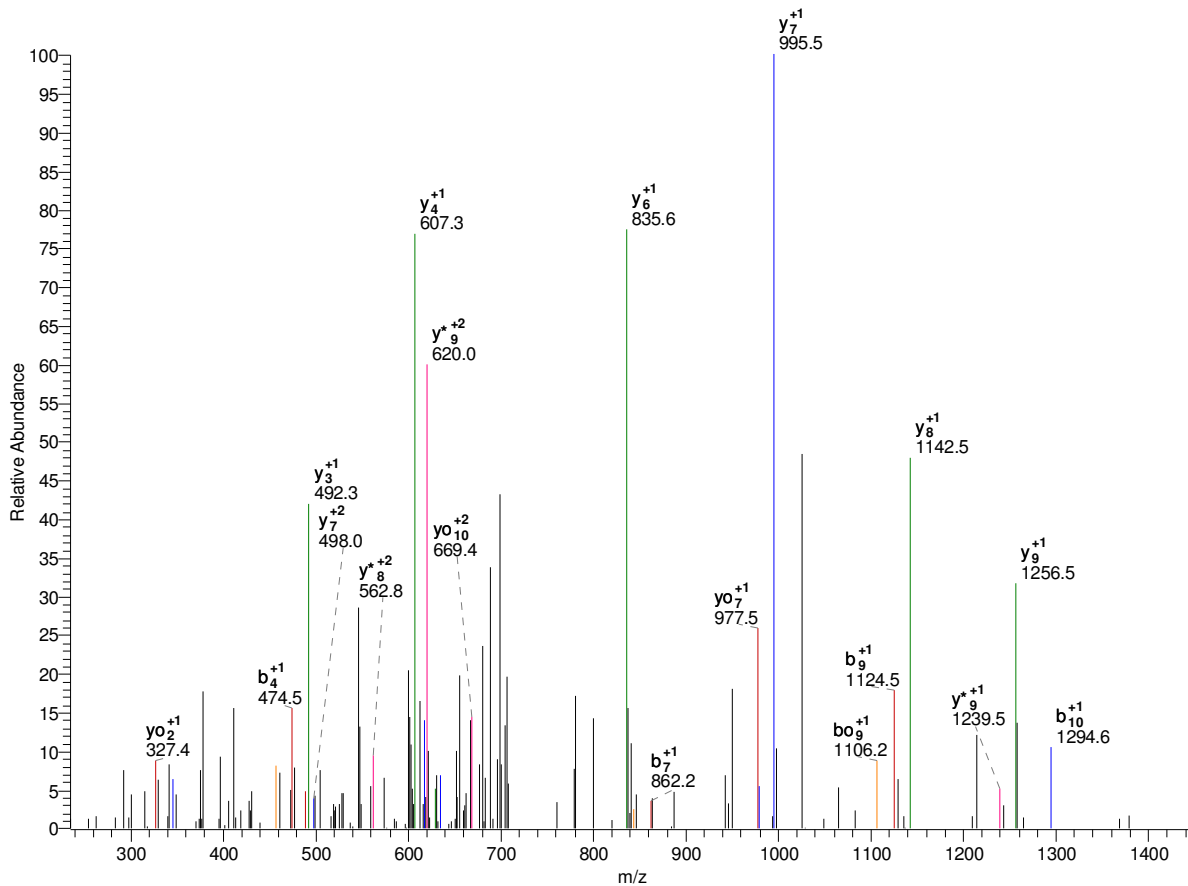
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	12
2	T	215.14	198.11	197.13	1446.73	1429.70	1428.72	11
3	Q	343.20	326.17	325.19	1345.68	1328.65	1327.67	10
4	E	472.24	455.21	454.23	1217.62	1200.59	1199.61	9
5	L	585.32	568.30	567.31	1088.58	1071.55	1070.57	8
6	F	732.39	715.37	714.38	975.49	958.47	957.48	7
7	K*	902.50	885.47	884.49	828.43	811.40	810.41	6
8	Y	1065.56	1048.53	1047.55	658.32	641.29	640.31	5
9	Q	1193.62	1176.59	1175.61	495.26	478.23	477.25	4
10	G	1250.64	1233.62	1232.63	367.20	350.17	349.19	3
11	Y	1413.70	1396.68	1395.69	310.18	293.15	292.17	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	12
2	T	108.07	99.56	99.07	723.87	715.35	714.86	11
3	Q	172.10	163.59	163.10	673.34	664.83	664.34	10
4	E	236.62	228.11	227.62	609.31	600.80	600.31	9
5	L	293.17	284.65	284.16	544.79	536.28	535.79	8
6	F	366.70	358.19	357.69	488.25	479.74	479.25	7
7	K*	451.75	443.24	442.75	414.72	406.20	405.71	6
8	Y	533.28	524.77	524.28	329.66	321.15	320.66	5

9	Q	597.31	588.80	588.31	248.13	239.62	239.13	4
10	G	625.82	617.31	616.82	184.10	175.59	175.10	3
11	Y	707.36	698.84	698.35	155.59	147.08	146.59	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1468.73 R.LVNFC@VEDFK*R.K
 psu|PF08_0054 | organism=Plasmodium_falciparum_3D7 | product=heat shock 70 kDa protein
 | location=M 248 - 259
 #5376-5376 NL: 3.95E1



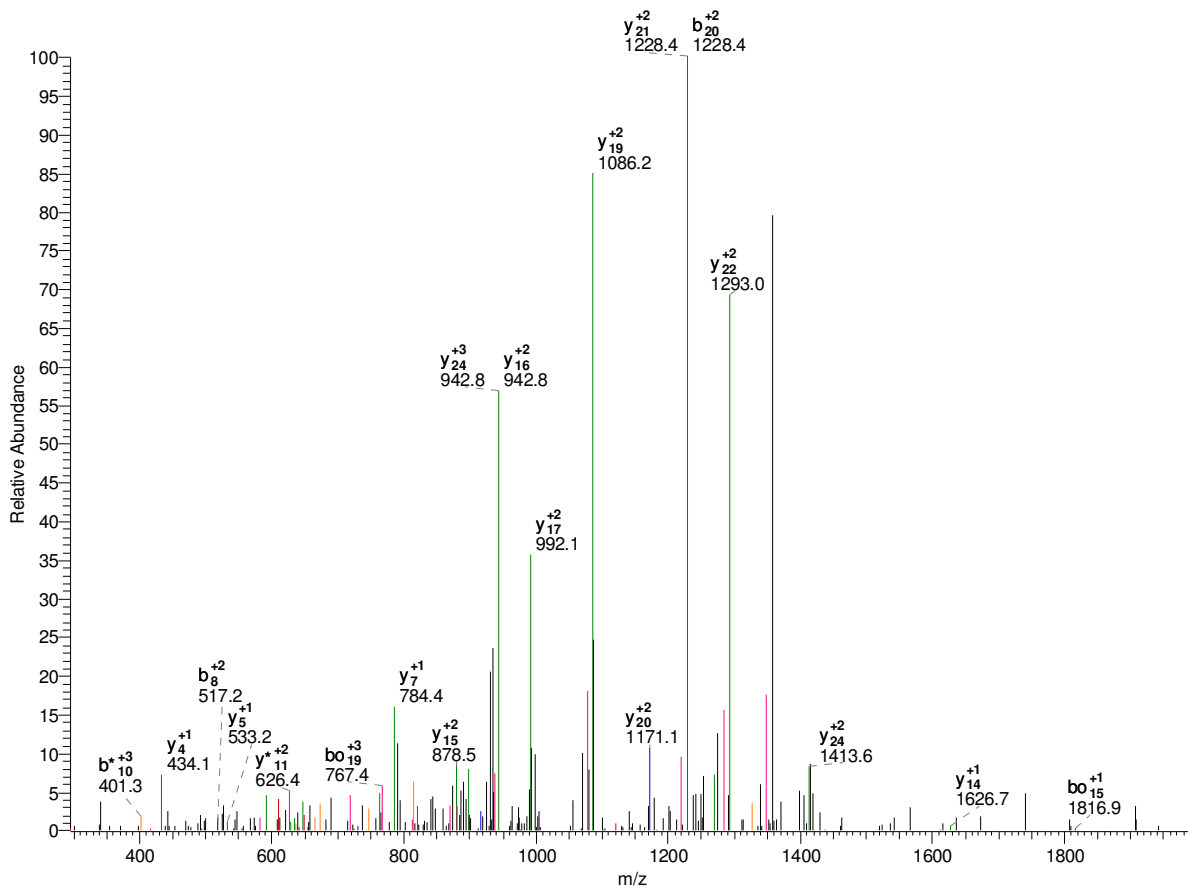
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	11
2	V	213.16	196.13	195.15	1355.64	1338.61	1337.63	10
3	N	327.20	310.18	309.19	1256.57	1239.55	1238.56	9
4	F	474.27	457.24	456.26	1142.53	1125.50	1124.52	8
5	C@	634.30	617.28	616.29	995.46	978.43	977.45	7
6	V	733.37	716.34	715.36	835.43	818.40	817.42	6
7	E	862.41	845.39	844.40	736.36	719.34	718.35	5
8	D	977.44	960.41	959.43	607.32	590.29	589.31	4
9	F	1124.51	1107.48	1106.50	492.29	475.27	474.28	3
10	K*	1294.61	1277.59	1276.60	345.22	328.20	327.21	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	11
2	V	107.08	98.57	98.08	678.32	669.81	669.32	10
3	N	164.10	155.59	155.10	628.79	620.28	619.78	9
4	F	237.64	229.13	228.63	571.77	563.26	562.76	8
5	C@	317.65	309.14	308.65	498.23	489.72	489.23	7
6	V	367.19	358.68	358.18	418.22	409.71	409.21	6
7	E	431.71	423.20	422.70	368.68	360.17	359.68	5
8	D	489.22	480.71	480.22	304.16	295.65	295.16	4
9	F	562.76	554.24	553.75	246.65	238.14	237.64	3

10	K*	647.81	639.30	638.81	173.12	164.60	164.11	2
11	R	-	-	-	88.06	79.55	79.06	1

-

3102.57 K.LYIEENK*TSVQETSK*SIK*NHNVTGR.K
 psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 1804 - 1830
 #4578-4578 NL: 1.11E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	26
2	Y	277.15	260.13	259.14	2989.49	2972.46	2971.48	25
3	I	390.24	373.21	372.23	2826.42	2809.40	2808.41	24
4	E	519.28	502.25	501.27	2713.34	2696.31	2695.33	23
5	E	648.32	631.30	630.31	2584.30	2567.27	2566.29	22
6	N	762.37	745.34	744.36	2455.25	2438.23	2437.24	21
7	K*	932.47	915.45	914.46	2341.21	2324.18	2323.20	20
8	T	1033.52	1016.49	1015.51	2171.11	2154.08	2153.09	19
9	S	1120.55	1103.53	1102.54	2070.06	2053.03	2052.05	18
10	V	1219.62	1202.59	1201.61	1983.03	1966.00	1965.01	17
11	Q	1347.68	1330.65	1329.67	1883.96	1866.93	1865.95	16
12	E	1476.72	1459.70	1458.71	1755.90	1738.87	1737.89	15
13	T	1577.77	1560.74	1559.76	1626.86	1609.83	1608.85	14
14	S	1664.80	1647.77	1646.79	1525.81	1508.78	1507.80	13
15	K*	1834.91	1817.88	1816.90	1438.78	1421.75	1420.77	12
16	S	1921.94	1904.91	1903.93	1268.67	1251.64	1250.66	11
17	I	2035.02	2018.00	2017.01	1181.64	1164.61	1163.63	10
18	K*	2205.13	2188.10	2187.12	1068.55	1051.53	1050.54	9
19	N	2319.17	2302.14	2301.16	898.45	881.42	880.44	8
20	H	2456.23	2439.20	2438.22	784.41	767.38	766.40	7
21	N	2570.27	2553.25	2552.26	647.35	630.32	629.34	6
22	V	2669.34	2652.32	2651.33	533.30	516.28	515.29	5

23	T	2770.39	2753.36	2752.38	434.24	417.21	416.23	4
24	T	2871.44	2854.41	2853.43	333.19	316.16	315.18	3
25	G	2928.46	2911.43	2910.45	232.14	215.11	214.13	2
26	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	26
2	Y	139.08	130.57	130.08	1495.25	1486.73	1486.24	25
3	I	195.62	187.11	186.62	1413.72	1405.20	1404.71	24
4	E	260.14	251.63	251.14	1357.17	1348.66	1348.17	23
5	E	324.67	316.15	315.66	1292.65	1284.14	1283.65	22
6	N	381.69	373.17	372.68	1228.13	1219.62	1219.13	21
7	K*	466.74	458.23	457.73	1171.11	1162.60	1162.10	20
8	T	517.26	508.75	508.26	1086.06	1077.54	1077.05	19
9	S	560.78	552.27	551.77	1035.53	1027.02	1026.53	18
10	V	610.31	601.80	601.31	992.02	983.50	983.01	17
11	Q	674.34	665.83	665.34	942.48	933.97	933.48	16
12	E	738.86	730.35	729.86	878.45	869.94	869.45	15
13	T	789.39	780.88	780.38	813.93	805.42	804.93	14
14	S	832.90	824.39	823.90	763.41	754.89	754.40	13
15	K*	917.96	909.44	908.95	719.89	711.38	710.89	12
16	S	961.47	952.96	952.47	634.84	626.33	625.83	11
17	I	1018.02	1009.50	1009.01	591.32	582.81	582.32	10
18	K*	1103.07	1094.55	1094.06	534.78	526.27	525.78	9
19	N	1160.09	1151.58	1151.08	449.73	441.21	440.72	8
20	H	1228.62	1220.11	1219.61	392.71	384.19	383.70	7
21	N	1285.64	1277.13	1276.64	324.18	315.66	315.17	6
22	V	1335.17	1326.66	1326.17	267.16	258.64	258.15	5
23	T	1385.70	1377.19	1376.69	217.62	209.11	208.62	4
24	T	1436.22	1427.71	1427.22	167.10	158.58	158.09	3
25	G	1464.73	1456.22	1455.73	116.57	108.06	107.57	2
26	R	-	-	-	88.06	79.55	79.06	1

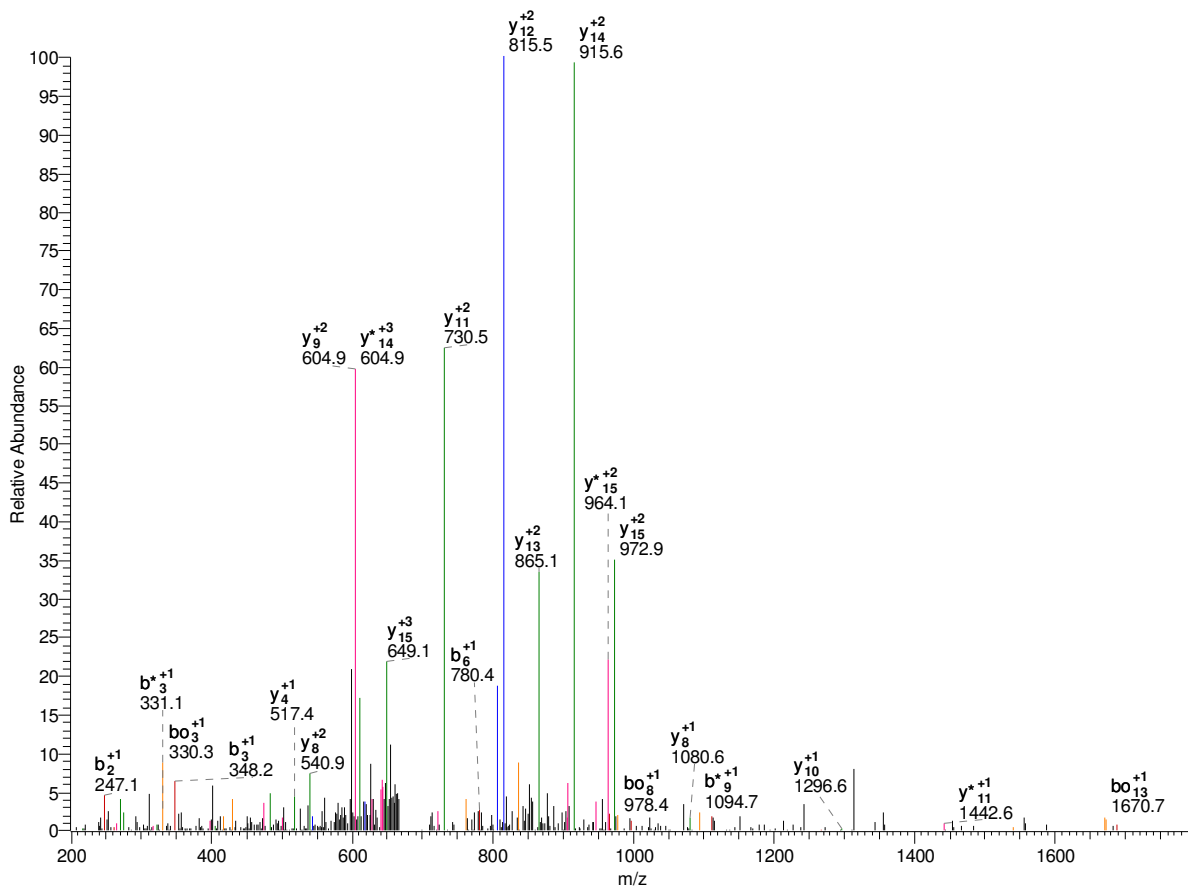
-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	26
2	Y	93.06	87.38	87.05	997.17	991.49	991.16	25
3	I	130.75	125.08	124.75	942.81	937.14	936.81	24
4	E	173.77	168.09	167.76	905.12	899.44	899.11	23
5	E	216.78	211.10	210.78	862.10	856.43	856.10	22
6	N	254.79	249.12	248.79	819.09	813.41	813.09	21
7	K*	311.50	305.82	305.49	781.08	775.40	775.07	20
8	T	345.18	339.50	339.17	724.37	718.70	718.37	19
9	S	374.19	368.51	368.19	690.69	685.02	684.69	18
10	V	407.21	401.54	401.21	661.68	656.00	655.68	17
11	Q	449.90	444.22	443.89	628.66	622.98	622.65	16
12	E	492.91	487.24	486.91	585.97	580.30	579.97	15
13	T	526.59	520.92	520.59	542.96	537.28	536.95	14
14	S	555.61	549.93	549.60	509.27	503.60	503.27	13
15	K*	612.31	606.63	606.30	480.26	474.59	474.26	12
16	S	641.32	635.64	635.31	423.56	417.89	417.56	11
17	I	679.01	673.34	673.01	394.55	388.88	388.55	10
18	K*	735.71	730.04	729.71	356.86	351.18	350.85	9
19	N	773.73	768.05	767.73	300.15	294.48	294.15	8
20	H	819.41	813.74	813.41	262.14	256.46	256.14	7
21	N	857.43	851.75	851.43	216.45	210.78	210.45	6
22	V	890.45	884.78	884.45	178.44	172.76	172.44	5
23	T	924.13	918.46	918.13	145.42	139.74	139.41	4
24	T	957.82	952.14	951.81	111.73	106.06	105.73	3

25	G	976.82	971.15	970.82	78.05	72.38	72.05	2
26	R	-	-	-	59.04	53.37	53.04	1

-

2076.00 K.MDTVK*YSEDRYEEIKK.E
 psu|PF13_0305 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1 alpha
 | location=M 154 - 170
 #2566-2566 NL: 4.05E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	M	132.05	115.02	114.04	-	-	-	16
2	D	247.07	230.05	229.06	1944.95	1927.93	1926.94	15
3	T	348.12	331.10	330.11	1829.93	1812.90	1811.92	14
4	V	447.19	430.16	429.18	1728.88	1711.85	1710.87	13
5	K*	617.30	600.27	599.29	1629.81	1612.79	1611.80	12
6	Y	780.36	763.33	762.35	1459.71	1442.68	1441.70	11
7	S	867.39	850.37	849.38	1296.64	1279.62	1278.63	10
8	E	996.43	979.41	978.42	1209.61	1192.58	1191.60	9
9	D	1111.46	1094.43	1093.45	1080.57	1063.54	1062.56	8
10	R	1267.56	1250.54	1249.55	965.54	948.51	947.53	7
11	Y	1430.63	1413.60	1412.62	809.44	792.41	791.43	6
12	E	1559.67	1542.64	1541.66	646.38	629.35	628.37	5
13	E	1688.71	1671.68	1670.70	517.33	500.31	499.32	4
14	I	1801.79	1784.77	1783.78	388.29	371.27	370.28	3
15	K	1929.89	1912.86	1911.88	275.21	258.18	257.20	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	M	66.53	58.01	57.52	-	-	-	16
2	D	124.04	115.53	115.04	972.98	964.47	963.98	15
3	T	174.56	166.05	165.56	915.47	906.95	906.46	14
4	V	224.10	215.59	215.09	864.94	856.43	855.94	13

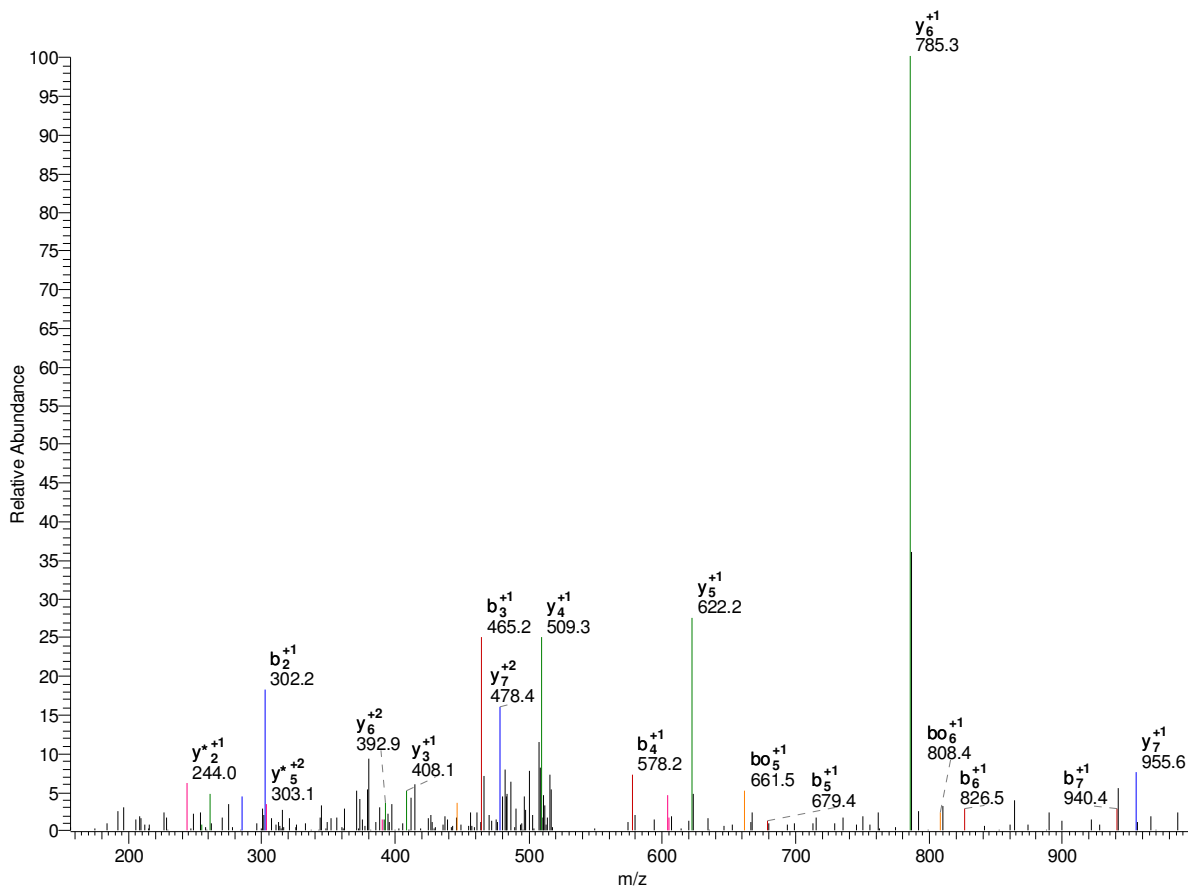
5	K*	309.15	300.64	300.15	815.41	806.90	806.40	12
6	Y	390.68	382.17	381.68	730.36	721.84	721.35	11
7	S	434.20	425.69	425.19	648.83	640.31	639.82	10
8	E	498.72	490.21	489.72	605.31	596.80	596.30	9
9	D	556.23	547.72	547.23	540.79	532.27	531.78	8
10	R	634.28	625.77	625.28	483.27	474.76	474.27	7
11	Y	715.82	707.30	706.81	405.22	396.71	396.22	6
12	E	780.34	771.82	771.33	323.69	315.18	314.69	5
13	E	844.86	836.35	835.85	259.17	250.66	250.17	4
14	I	901.40	892.89	892.40	194.65	186.14	185.64	3
15	K	965.45	956.94	956.44	138.11	129.59	129.10	2
16	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	M	44.69	39.01	38.68	-	-	-	16
2	D	83.03	77.35	77.03	648.99	643.31	642.99	15
3	T	116.71	111.04	110.71	610.65	604.97	604.64	14
4	V	149.74	144.06	143.73	576.96	571.29	570.96	13
5	K*	206.44	200.76	200.43	543.94	538.27	537.94	12
6	Y	260.79	255.12	254.79	487.24	481.56	481.24	11
7	S	289.80	284.13	283.80	432.89	427.21	426.88	10
8	E	332.82	327.14	326.81	403.88	398.20	397.87	9
9	D	371.16	365.48	365.16	360.86	355.19	354.86	8
10	R	423.19	417.52	417.19	322.52	316.84	316.52	7
11	Y	477.55	471.87	471.54	270.48	264.81	264.48	6
12	E	520.56	514.89	514.56	216.13	210.46	210.13	5
13	E	563.58	557.90	557.57	173.12	167.44	167.11	4
14	I	601.27	595.59	595.27	130.10	124.43	124.10	3
15	K	643.97	638.29	637.96	92.41	86.73	86.40	2
16	K	-	-	-	49.71	44.03	43.71	1

-

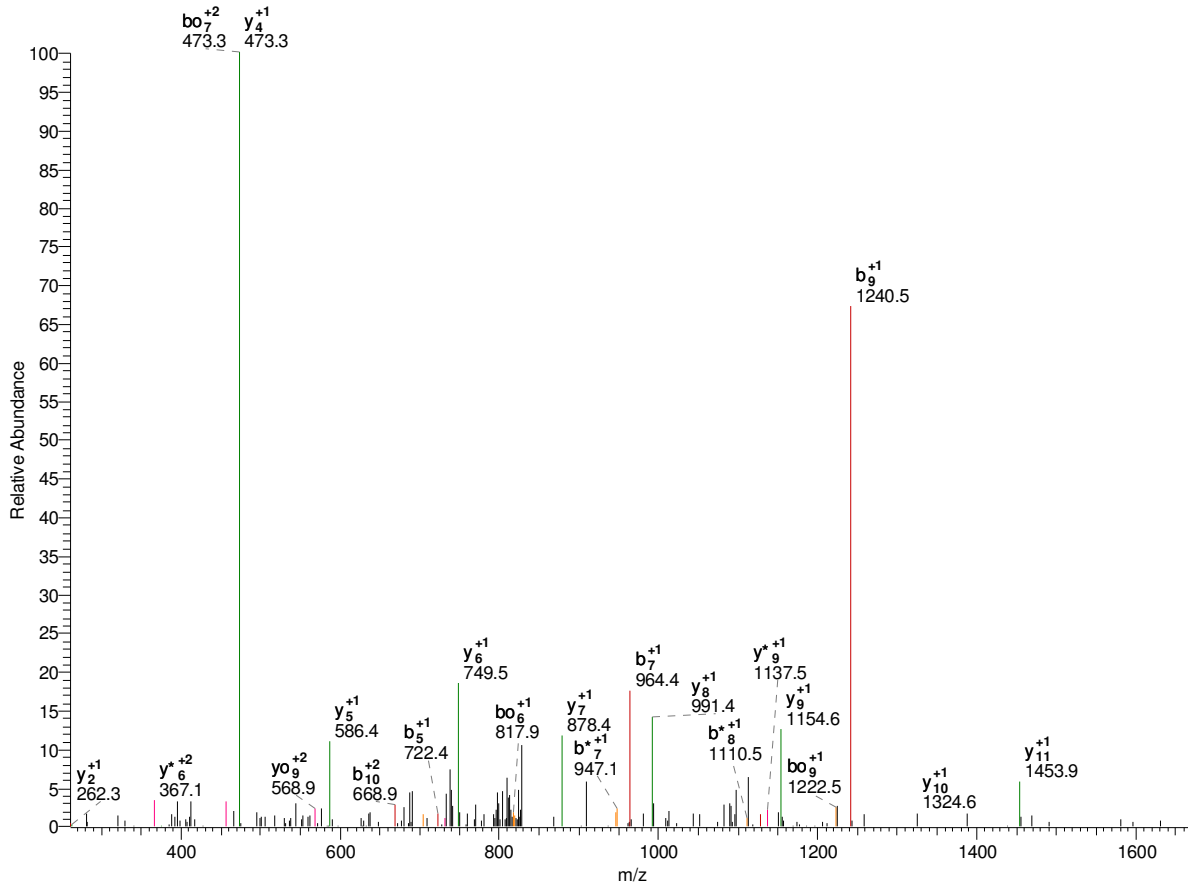
1086.57 - .MK*YLTFNK.N
 psu|PFC0635c | organism=Plasmodium_falciparum_3D7 | product=translation initiation
 factor E4, putat 1 - 8
 #3269-3269 NL: 1.51E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	M	132.05	115.02	114.04	-	-	-	8
2	K*	302.15	285.13	284.14	955.52	938.50	937.51	7
3	Y	465.22	448.19	447.21	785.42	768.39	767.41	6
4	L	578.30	561.27	560.29	622.36	605.33	604.35	5
5	T	679.35	662.32	661.34	509.27	492.25	491.26	4
6	F	826.42	809.39	808.41	408.22	391.20	390.21	3
7	N	940.46	923.43	922.45	261.16	244.13	243.15	2
8	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	M	66.53	58.01	57.52	-	-	-	8
2	K*	151.58	143.07	142.58	478.27	469.75	469.26	7
3	Y	233.11	224.60	224.11	393.21	384.70	384.21	6
4	L	289.65	281.14	280.65	311.68	303.17	302.68	5
5	T	340.18	331.66	331.17	255.14	246.63	246.13	4
6	F	413.71	405.20	404.71	204.62	196.10	195.61	3
7	N	470.73	462.22	461.73	131.08	122.57	122.08	2
8	K	-	-	-	74.06	65.55	65.05	1

1712.83 K.MQEK*YIEYIPNSR.Y
 psu|PF14_0632 | organism=Plasmodium_falciparum_3D7 | product=26S proteasome subunit,
 putative | loc 1108 - 1121
 #3604-3604 NL: 1.56E2



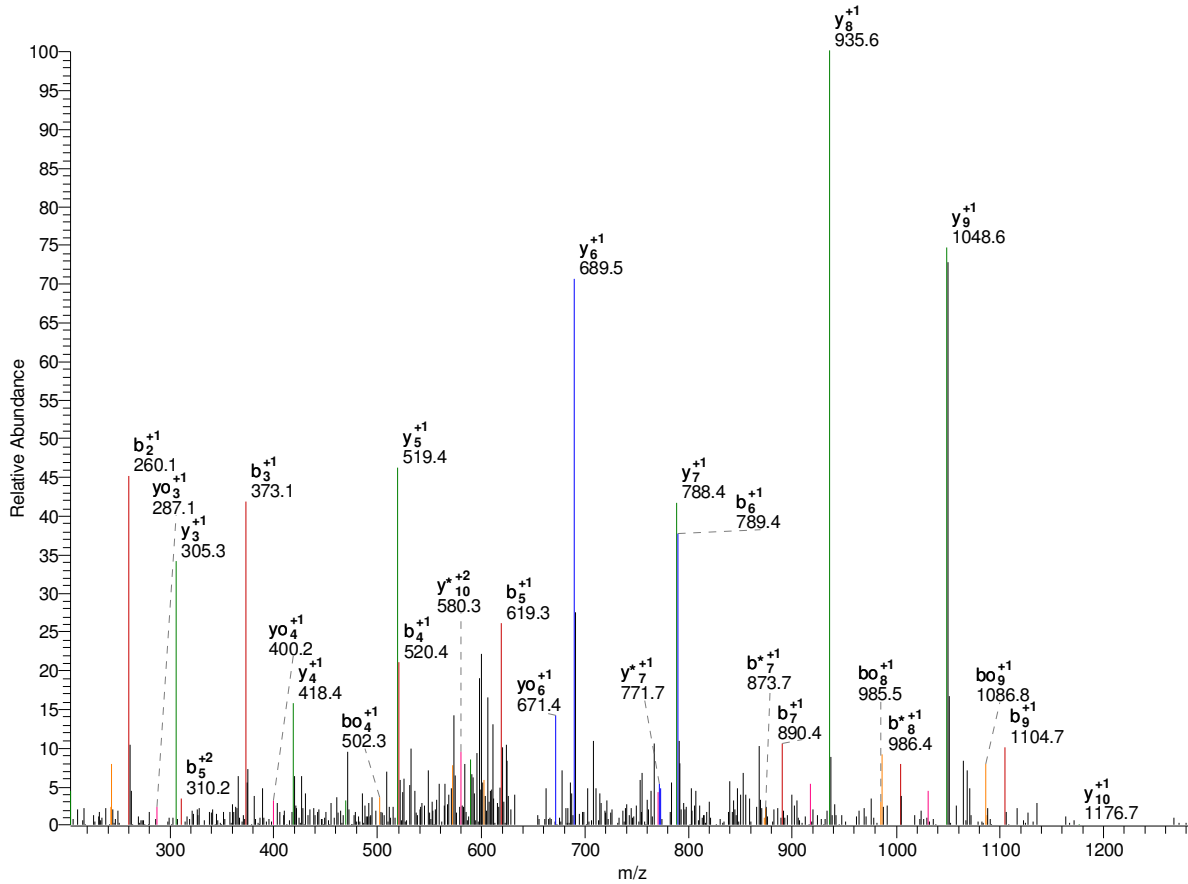
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	M	132.05	115.02	114.04	-	-	-	13
2	Q	260.11	243.08	242.10	1581.79	1564.76	1563.78	12
3	E	389.15	372.12	371.14	1453.73	1436.71	1435.72	11
4	K*	559.25	542.23	541.24	1324.69	1307.66	1306.68	10
5	Y	722.32	705.29	704.31	1154.58	1137.56	1136.57	9
6	I	835.40	818.38	817.39	991.52	974.49	973.51	8
7	E	964.44	947.42	946.43	878.44	861.41	860.43	7
8	Y	1127.51	1110.48	1109.50	749.39	732.37	731.38	6
9	I	1240.59	1223.57	1222.58	586.33	569.30	568.32	5
10	P	1337.64	1320.62	1319.63	473.25	456.22	455.24	4
11	N	1451.69	1434.66	1433.68	376.19	359.17	358.18	3
12	S	1538.72	1521.69	1520.71	262.15	245.12	244.14	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	M	66.53	58.01	57.52	-	-	-	13
2	Q	130.56	122.04	121.55	791.40	782.89	782.39	12
3	E	195.08	186.56	186.07	727.37	718.86	718.36	11
4	K*	280.13	271.62	271.13	662.85	654.34	653.84	10
5	Y	361.66	353.15	352.66	577.80	569.28	568.79	9
6	I	418.20	409.69	409.20	496.26	487.75	487.26	8
7	E	482.73	474.21	473.72	439.72	431.21	430.72	7

8	Y	564.26	555.74	555.25	375.20	366.69	366.20	6
9	I	620.80	612.29	611.79	293.67	285.16	284.66	5
10	P	669.33	660.81	660.32	237.13	228.61	228.12	4
11	N	726.35	717.83	717.34	188.60	180.09	179.60	3
12	S	769.86	761.35	760.86	131.58	123.07	122.57	2
13	R	-	-	-	88.06	79.55	79.06	1

-

1307.74 -.MQIFVK*TLTGK.T
 psu|PF13_0346 | organism=Plasmodium_falciparum_3D7 | product=ubiquitin/ribosomal
 fusion protein uba 1 - 11
 OR psu|PFL0585w | organism=Plasmodium_falciparum_3D7 | product=PfpUB Plasmodium
 falciparum polyubiquit 1 - 11
 #6501-6501 NL: 2.20E2



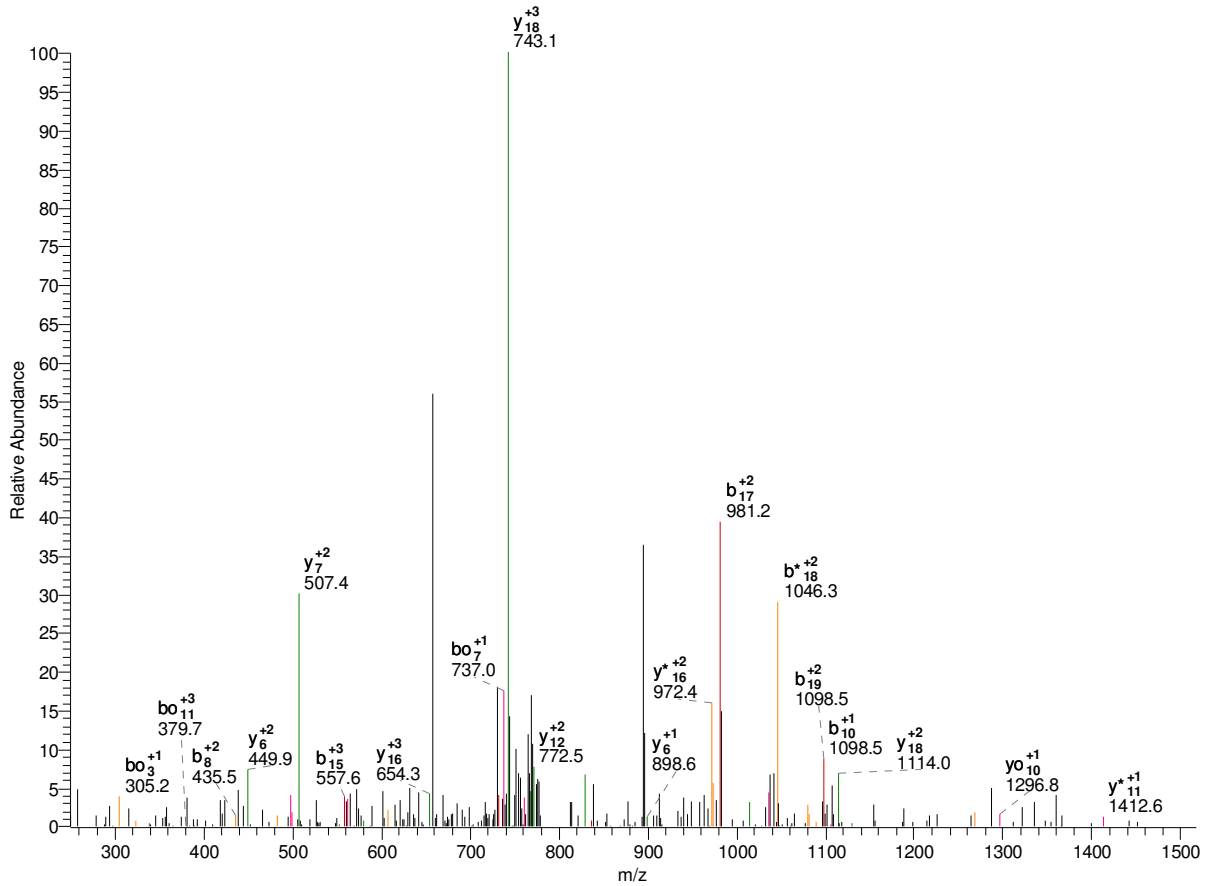
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	M	132.05	115.02	114.04	-	-	-	11
2	Q	260.11	243.08	242.10	1176.70	1159.67	1158.69	10
3	I	373.19	356.16	355.18	1048.64	1031.61	1030.63	9
4	F	520.26	503.23	502.25	935.56	918.53	917.55	8
5	V	619.33	602.30	601.32	788.49	771.46	770.48	7
6	K*	789.43	772.41	771.42	689.42	672.39	671.41	6
7	T	890.48	873.45	872.47	519.31	502.29	501.30	5
8	L	1003.56	986.54	985.55	418.27	401.24	400.26	4
9	T	1104.61	1087.59	1086.60	305.18	288.16	287.17	3
10	G	1161.63	1144.61	1143.62	204.13	187.11	186.12	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	M	66.53	58.01	57.52	-	-	-	11
2	Q	130.56	122.04	121.55	588.85	580.34	579.85	10
3	I	187.10	178.59	178.09	524.82	516.31	515.82	9
4	F	260.63	252.12	251.63	468.28	459.77	459.28	8
5	V	310.17	301.65	301.16	394.75	386.23	385.74	7
6	K*	395.22	386.71	386.21	345.21	336.70	336.21	6
7	T	445.74	437.23	436.74	260.16	251.65	251.16	5

8	L	502.29	493.77	493.28	209.64	201.12	200.63	4
9	T	552.81	544.30	543.80	153.09	144.58	144.09	3
10	G	581.32	572.81	572.32	102.57	94.06	93.57	2
11	K	-	-	-	74.06	65.55	65.05	1

-

2411.99 K.NAHEGDMNNDGEDDRYKFSR*.G
 psu|PFL1110c | organism=Plasmodium_falciparum_3D7 | product=cAMP-dependent protein
 kinase regulator 43 - 63
 #1427-1427 NL: 1.56E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	20
2	A	186.09	169.06	168.08	2297.95	2280.92	2279.94	19
3	H	323.15	306.12	305.14	2226.91	2209.88	2208.90	18
4	E	452.19	435.16	434.18	2089.85	2072.83	2071.84	17
5	G	509.21	492.18	491.20	1960.81	1943.78	1942.80	16
6	D	624.24	607.21	606.23	1903.79	1886.76	1885.78	15
7	M	755.28	738.25	737.27	1788.76	1771.73	1770.75	14
8	N	869.32	852.29	851.31	1657.72	1640.69	1639.71	13
9	N	983.36	966.34	965.35	1543.68	1526.65	1525.67	12
10	D	1098.39	1081.36	1080.38	1429.63	1412.61	1411.62	11
11	G	1155.41	1138.39	1137.40	1314.61	1297.58	1296.60	10
12	E	1284.45	1267.43	1266.44	1257.59	1240.56	1239.58	9
13	D	1399.48	1382.45	1381.47	1128.54	1111.52	1110.53	8
14	D	1514.51	1497.48	1496.50	1013.52	996.49	995.51	7
15	R	1670.61	1653.58	1652.60	898.49	881.46	880.48	6
16	Y	1833.67	1816.65	1815.66	742.39	725.36	724.38	5
17	K	1961.77	1944.74	1943.76	579.32	562.30	561.31	4
18	F	2108.84	2091.81	2090.83	451.23	434.20	433.22	3
19	S	2195.87	2178.84	2177.86	304.16	287.14	286.15	2
20	R*	-	-	-	217.13	200.10	199.12	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

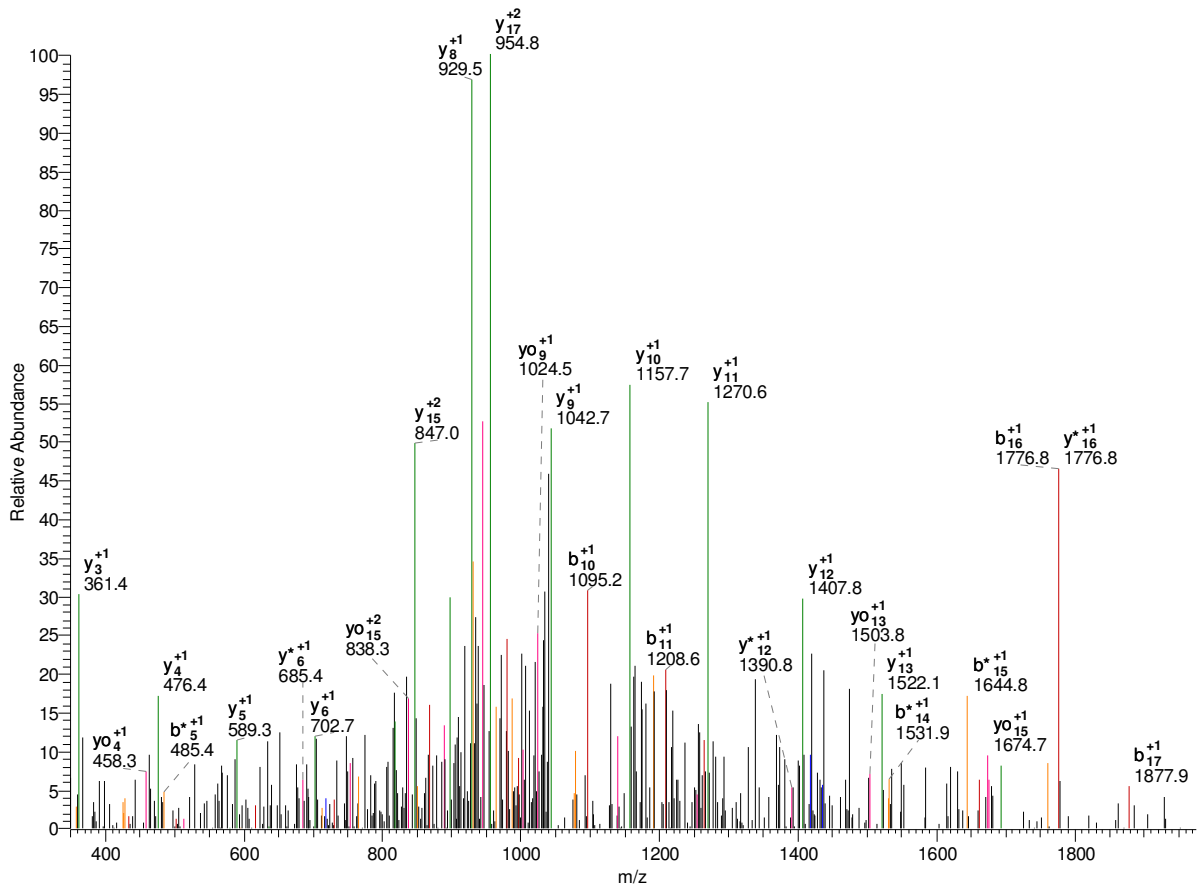
1	N	58.03	49.52	49.02	-	-	-	20
2	A	93.55	85.03	84.54	1149.48	1140.96	1140.47	19
3	H	162.08	153.56	153.07	1113.96	1105.45	1104.95	18
4	E	226.60	218.08	217.59	1045.43	1036.92	1036.42	17
5	G	255.11	246.60	246.10	980.91	972.39	971.90	16
6	D	312.62	304.11	303.62	952.40	943.88	943.39	15
7	M	378.14	369.63	369.14	894.88	886.37	885.88	14
8	N	435.16	426.65	426.16	829.36	820.85	820.36	13
9	N	492.19	483.67	483.18	772.34	763.83	763.34	12
10	D	549.70	541.19	540.69	715.32	706.81	706.32	11
11	G	578.21	569.70	569.20	657.81	649.29	648.80	10
12	E	642.73	634.22	633.73	629.30	620.78	620.29	9
13	D	700.24	691.73	691.24	564.78	556.26	555.77	8
14	D	757.76	749.24	748.75	507.26	498.75	498.26	7
15	R	835.81	827.30	826.80	449.75	441.24	440.74	6
16	Y	917.34	908.83	908.33	371.70	363.18	362.69	5
17	K	981.39	972.87	972.38	290.17	281.65	281.16	4
18	F	1054.92	1046.41	1045.92	226.12	217.61	217.11	3
19	S	1098.44	1089.92	1089.43	152.58	144.07	143.58	2
20	R*	-	-	-	109.07	100.56	100.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	20
2	A	62.70	57.03	56.70	766.65	760.98	760.65	19
3	H	108.39	102.71	102.38	742.98	737.30	736.97	18
4	E	151.40	145.73	145.40	697.29	691.61	691.29	17
5	G	170.41	164.73	164.40	654.27	648.60	648.27	16
6	D	208.75	203.08	202.75	635.27	629.59	629.26	15
7	M	252.43	246.76	246.43	596.93	591.25	590.92	14
8	N	290.45	284.77	284.44	553.24	547.57	547.24	13
9	N	328.46	322.78	322.46	515.23	509.56	509.23	12
10	D	366.80	361.13	360.80	477.22	471.54	471.21	11
11	G	385.81	380.13	379.81	438.87	433.20	432.87	10
12	E	428.82	423.15	422.82	419.87	414.19	413.86	9
13	D	467.17	461.49	461.16	376.85	371.18	370.85	8
14	D	505.51	499.83	499.50	338.51	332.83	332.51	7
15	R	557.54	551.87	551.54	300.17	294.49	294.16	6
16	Y	611.90	606.22	605.89	248.13	242.46	242.13	5
17	K	654.59	648.92	648.59	193.78	188.10	187.78	4
18	F	703.62	697.94	697.61	151.08	145.41	145.08	3
19	S	732.63	726.95	726.62	102.06	96.38	96.06	2
20	R*	-	-	-	73.05	67.37	67.04	1

-

2137.09 K.NDNTGNNHLDIGK*LLDTLK.E
 psu|PF11_0246 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 115 - 134
 #9545-9545 NL: 7.45E1



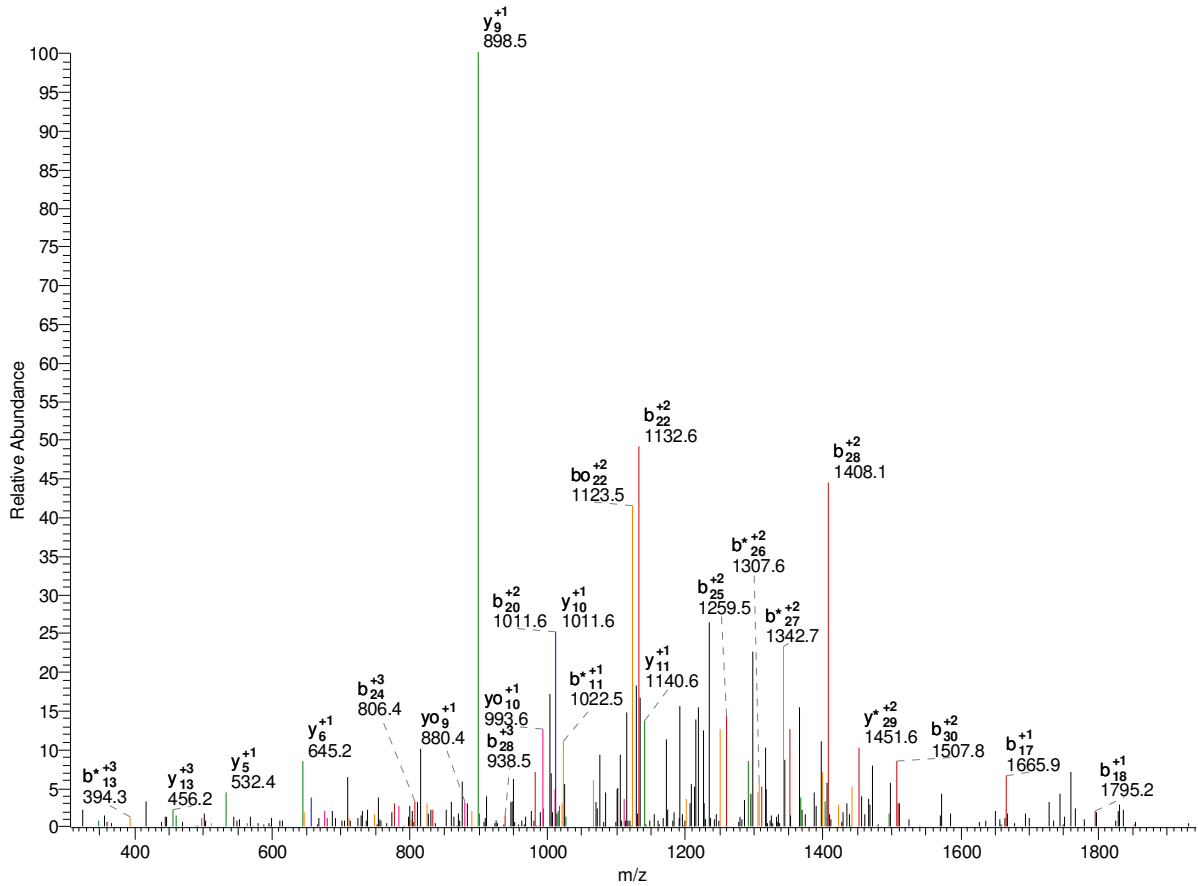
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	19
2	D	230.08	213.05	212.07	2023.05	2006.02	2005.03	18
3	N	344.12	327.09	326.11	1908.02	1890.99	1890.01	17
4	T	445.17	428.14	427.16	1793.98	1776.95	1775.97	16
5	G	502.19	485.16	484.18	1692.93	1675.90	1674.92	15
6	N	616.23	599.21	598.22	1635.91	1618.88	1617.90	14
7	N	730.28	713.25	712.26	1521.86	1504.84	1503.85	13
8	H	867.33	850.31	849.32	1407.82	1390.79	1389.81	12
9	L	980.42	963.39	962.41	1270.76	1253.74	1252.75	11
10	D	1095.44	1078.42	1077.43	1157.68	1140.65	1139.67	10
11	I	1208.53	1191.50	1190.52	1042.65	1025.62	1024.64	9
12	G	1265.55	1248.52	1247.54	929.57	912.54	911.56	8
13	K*	1435.66	1418.63	1417.65	872.55	855.52	854.53	7
14	L	1548.74	1531.71	1530.73	702.44	685.41	684.43	6
15	L	1661.82	1644.80	1643.81	589.36	572.33	571.34	5
16	D	1776.85	1759.82	1758.84	476.27	459.24	458.26	4
17	T	1877.90	1860.87	1859.89	361.24	344.22	343.23	3
18	L	1990.98	1973.96	1972.97	260.20	243.17	242.19	2
19	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	19

2	D	115.54	107.03	106.54	1012.03	1003.51	1003.02	18
3	N	172.56	164.05	163.56	954.51	946.00	945.51	17
4	T	223.09	214.57	214.08	897.49	888.98	888.49	16
5	G	251.60	243.08	242.59	846.97	838.45	837.96	15
6	N	308.62	300.11	299.61	818.46	809.94	809.45	14
7	N	365.64	357.13	356.64	761.44	752.92	752.43	13
8	H	434.17	425.66	425.17	704.41	695.90	695.41	12
9	L	490.71	482.20	481.71	635.88	627.37	626.88	11
10	D	548.23	539.71	539.22	579.34	570.83	570.34	10
11	I	604.77	596.25	595.76	521.83	513.32	512.82	9
12	G	633.28	624.77	624.27	465.29	456.77	456.28	8
13	K*	718.33	709.82	709.33	436.78	428.26	427.77	7
14	L	774.87	766.36	765.87	351.72	343.21	342.72	6
15	L	831.42	822.90	822.41	295.18	286.67	286.18	5
16	D	888.93	880.42	879.92	238.64	230.13	229.63	4
17	T	939.45	930.94	930.45	181.13	172.61	172.12	3
18	L	996.00	987.48	986.99	130.60	122.09	121.60	2
19	K	-	-	-	74.06	65.55	65.05	1

—

3161.67 K.NEISHVSTGGGASLELLEK*ELPGVLALSNK
 psu|PF1105w | organism=Plasmodium_falciparum_3D7 | product=Phosphoglycerate kinase |
 location=MAL9385 - 415
 #8226-8226 NL: 1.52E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	31
2	E	244.09	227.07	226.08	3047.63	3030.60	3029.62	30
3	I	357.18	340.15	339.17	2918.58	2901.56	2900.57	29
4	S	444.21	427.18	426.20	2805.50	2788.47	2787.49	28
5	H	581.27	564.24	563.26	2718.47	2701.44	2700.46	27
6	V	680.34	663.31	662.33	2581.41	2564.38	2563.40	26
7	S	767.37	750.34	749.36	2482.34	2465.31	2464.33	25
8	T	868.42	851.39	850.41	2395.31	2378.28	2377.30	24
9	G	925.44	908.41	907.43	2294.26	2277.23	2276.25	23
10	G	982.46	965.43	964.45	2237.24	2220.21	2219.23	22
11	G	1039.48	1022.45	1021.47	2180.22	2163.19	2162.21	21
12	A	1110.52	1093.49	1092.51	2123.20	2106.17	2105.19	20
13	S	1197.55	1180.52	1179.54	2052.16	2035.13	2034.15	19
14	L	1310.63	1293.61	1292.62	1965.13	1948.10	1947.12	18
15	E	1439.68	1422.65	1421.67	1852.04	1835.02	1834.03	17
16	L	1552.76	1535.73	1534.75	1723.00	1705.97	1704.99	16
17	L	1665.84	1648.82	1647.83	1609.92	1592.89	1591.91	15
18	E	1794.89	1777.86	1776.88	1496.83	1479.81	1478.82	14
19	G	1851.91	1834.88	1833.90	1367.79	1350.76	1349.78	13
20	K*	2022.01	2004.99	2004.00	1310.77	1293.74	1292.76	12
21	E	2151.06	2134.03	2133.05	1140.66	1123.64	1122.65	11
22	L	2264.14	2247.11	2246.13	1011.62	994.59	993.61	10

23	P	2361.19	2344.17	2343.18	898.54	881.51	880.53	9
24	G	2418.21	2401.19	2400.20	801.48	784.46	783.47	8
25	V	2517.28	2500.26	2499.27	744.46	727.43	726.45	7
26	L	2630.37	2613.34	2612.36	645.39	628.37	627.38	6
27	A	2701.40	2684.38	2683.39	532.31	515.28	514.30	5
28	L	2814.49	2797.46	2796.48	461.27	444.25	443.26	4
29	S	2901.52	2884.49	2883.51	348.19	331.16	330.18	3
30	N	3015.56	2998.54	2997.55	261.16	244.13	243.15	2
31	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	31
2	E	122.55	114.04	113.54	1524.32	1515.80	1515.31	30
3	I	179.09	170.58	170.09	1459.80	1451.28	1450.79	29
4	S	222.61	214.09	213.60	1403.25	1394.74	1394.25	28
5	H	291.14	282.62	282.13	1359.74	1351.22	1350.73	27
6	V	340.67	332.16	331.67	1291.21	1282.69	1282.20	26
7	S	384.19	375.67	375.18	1241.67	1233.16	1232.67	25
8	T	434.71	426.20	425.71	1198.16	1189.64	1189.15	24
9	G	463.22	454.71	454.22	1147.63	1139.12	1138.63	23
10	G	491.73	483.22	482.73	1119.12	1110.61	1110.12	22
11	G	520.24	511.73	511.24	1090.61	1082.10	1081.61	21
12	A	555.76	547.25	546.76	1062.10	1053.59	1053.10	20
13	S	599.28	590.77	590.27	1026.58	1018.07	1017.58	19
14	L	655.82	647.31	646.82	983.07	974.55	974.06	18
15	E	720.34	711.83	711.34	926.52	918.01	917.52	17
16	L	776.88	768.37	767.88	862.00	853.49	853.00	16
17	L	833.43	824.91	824.42	805.46	796.95	796.46	15
18	E	897.95	889.43	888.94	748.92	740.41	739.91	14
19	G	926.46	917.94	917.45	684.40	675.89	675.39	13
20	K*	1011.51	1003.00	1002.51	655.89	647.37	646.88	12
21	E	1076.03	1067.52	1067.03	570.83	562.32	561.83	11
22	L	1132.57	1124.06	1123.57	506.31	497.80	497.31	10
23	P	1181.10	1172.59	1172.09	449.77	441.26	440.77	9
24	G	1209.61	1201.10	1200.61	401.25	392.73	392.24	8
25	V	1259.15	1250.63	1250.14	372.73	364.22	363.73	7
26	L	1315.69	1307.17	1306.68	323.20	314.69	314.19	6
27	A	1351.21	1342.69	1342.20	266.66	258.14	257.65	5
28	L	1407.75	1399.23	1398.74	231.14	222.63	222.13	4
29	S	1451.26	1442.75	1442.26	174.60	166.08	165.59	3
30	N	1508.29	1499.77	1499.28	131.08	122.57	122.08	2
31	K	-	-	-	74.06	65.55	65.05	1

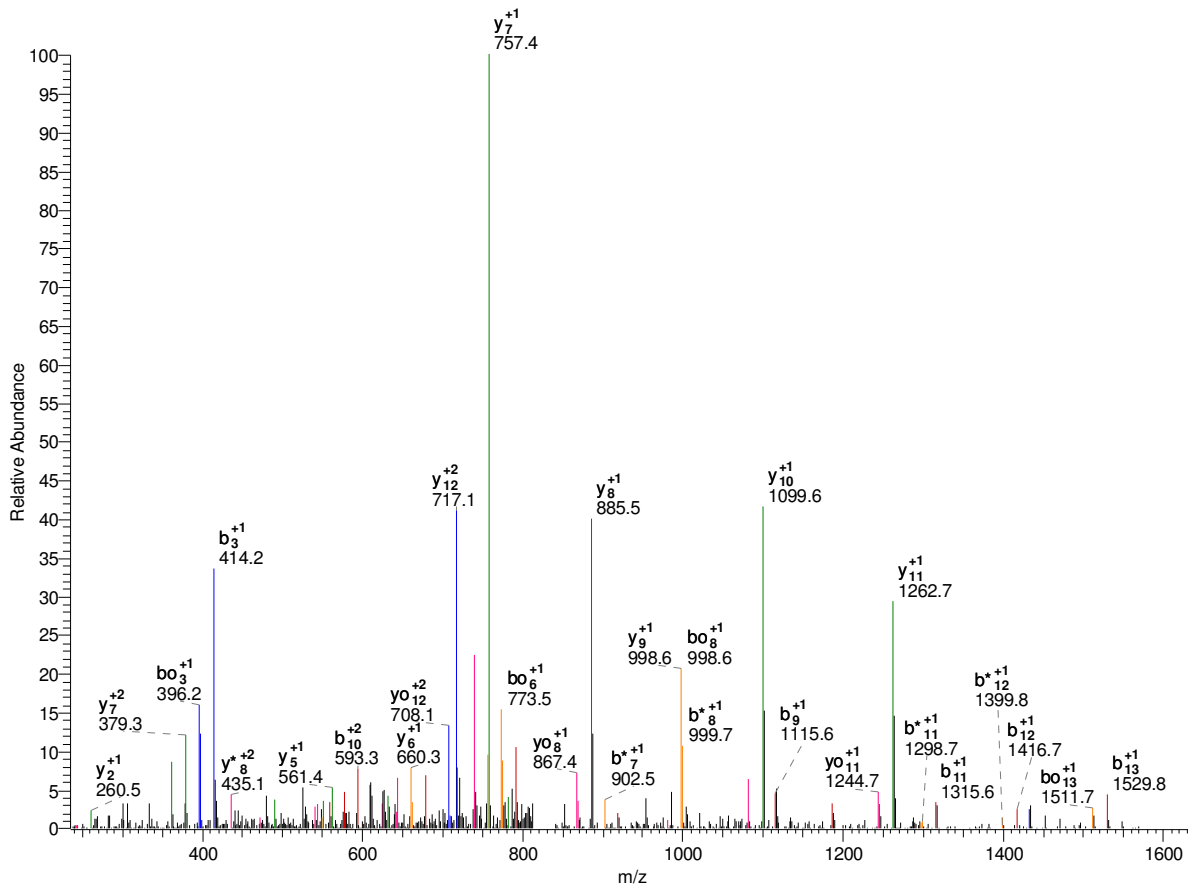
-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	31
2	E	82.04	76.36	76.03	1016.55	1010.87	1010.54	30
3	I	119.73	114.05	113.73	973.53	967.86	967.53	29
4	S	148.74	143.07	142.74	935.84	930.16	929.83	28
5	H	194.43	188.75	188.42	906.83	901.15	900.82	27
6	V	227.45	221.77	221.45	861.14	855.47	855.14	26
7	S	256.46	250.79	250.46	828.12	822.44	822.11	25
8	T	290.14	284.47	284.14	799.11	793.43	793.10	24
9	G	309.15	303.48	303.15	765.42	759.75	759.42	23
10	G	328.16	322.48	322.15	746.42	740.74	740.41	22
11	G	347.16	341.49	341.16	727.41	721.74	721.41	21
12	A	370.84	365.17	364.84	708.40	702.73	702.40	20
13	S	399.85	394.18	393.85	684.72	679.05	678.72	19
14	L	437.55	431.87	431.55	655.71	650.04	649.71	18

15	E	480.56	474.89	474.56	618.02	612.34	612.02	17
16	L	518.26	512.58	512.25	575.00	569.33	569.00	16
17	L	555.95	550.28	549.95	537.31	531.63	531.31	15
18	E	598.97	593.29	592.96	499.62	493.94	493.61	14
19	G	617.97	612.30	611.97	456.60	450.93	450.60	13
20	K*	674.68	669.00	668.67	437.59	431.92	431.59	12
21	E	717.69	712.01	711.69	380.89	375.22	374.89	11
22	L	755.39	749.71	749.38	337.88	332.20	331.87	10
23	P	787.74	782.06	781.73	300.18	294.51	294.18	9
24	G	806.74	801.07	800.74	267.83	262.16	261.83	8
25	V	839.77	834.09	833.76	248.83	243.15	242.82	7
26	L	877.46	871.79	871.46	215.80	210.13	209.80	6
27	A	901.14	895.46	895.14	178.11	172.43	172.10	5
28	L	938.83	933.16	932.83	154.43	148.75	148.43	4
29	S	967.84	962.17	961.84	116.73	111.06	110.73	3
30	N	1005.86	1000.18	999.86	87.72	82.05	81.72	2
31	K	-	-	-	49.71	44.03	43.71	1

—

1675.93 R.NEK*YTLKPVAETLK.G
 psu|PF11105w | organism=Plasmodium_falciparum_3D7 | product=Phosphoglycerate kinase |
 location=MAL9 71 - 85
 #4251-4251 NL: 1.63E3



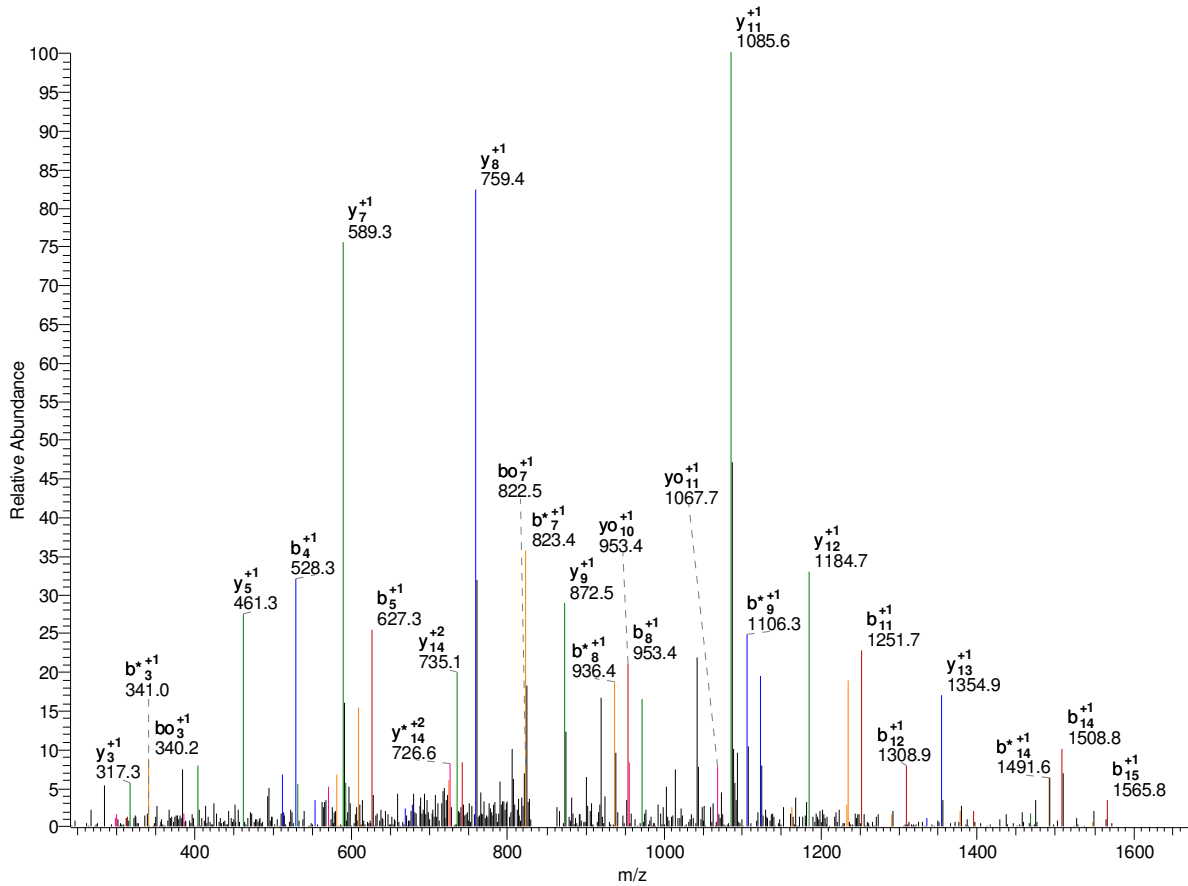
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	14
2	E	244.09	227.07	226.08	1561.88	1544.86	1543.87	13
3	K*	414.20	397.17	396.19	1432.84	1415.81	1414.83	12
4	Y	577.26	560.24	559.25	1262.74	1245.71	1244.72	11
5	T	678.31	661.28	660.30	1099.67	1082.65	1081.66	10
6	L	791.39	774.37	773.38	998.62	981.60	980.61	9
7	K	919.49	902.46	901.48	885.54	868.51	867.53	8
8	P	1016.54	999.51	998.53	757.45	740.42	739.43	7
9	V	1115.61	1098.58	1097.60	660.39	643.37	642.38	6
10	A	1186.65	1169.62	1168.64	561.32	544.30	543.31	5
11	E	1315.69	1298.66	1297.68	490.29	473.26	472.28	4
12	T	1416.74	1399.71	1398.73	361.24	344.22	343.23	3
13	L	1529.82	1512.79	1511.81	260.20	243.17	242.19	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	14
2	E	122.55	114.04	113.54	781.45	772.93	772.44	13
3	K*	207.60	199.09	198.60	716.92	708.41	707.92	12
4	Y	289.13	280.62	280.13	631.87	623.36	622.87	11
5	T	339.66	331.15	330.65	550.34	541.83	541.33	10
6	L	396.20	387.69	387.20	499.82	491.30	490.81	9

7	K	460.25	451.73	451.24	443.27	434.76	434.27	8
8	P	508.77	500.26	499.77	379.23	370.71	370.22	7
9	V	558.31	549.80	549.30	330.70	322.19	321.69	6
10	A	593.83	585.31	584.82	281.17	272.65	272.16	5
11	E	658.35	649.83	649.34	245.65	237.13	236.64	4
12	T	708.87	700.36	699.87	181.13	172.61	172.12	3
13	L	765.41	756.90	756.41	130.60	122.09	121.60	2
14	K	-	-	-	74.06	65.55	65.05	1

-

1711.93 K.NENK*VNVIK*GAGSIGK.Y
 psu|PF11_0192 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 6 - 22
 #4744-4744 NL: 4.28E2



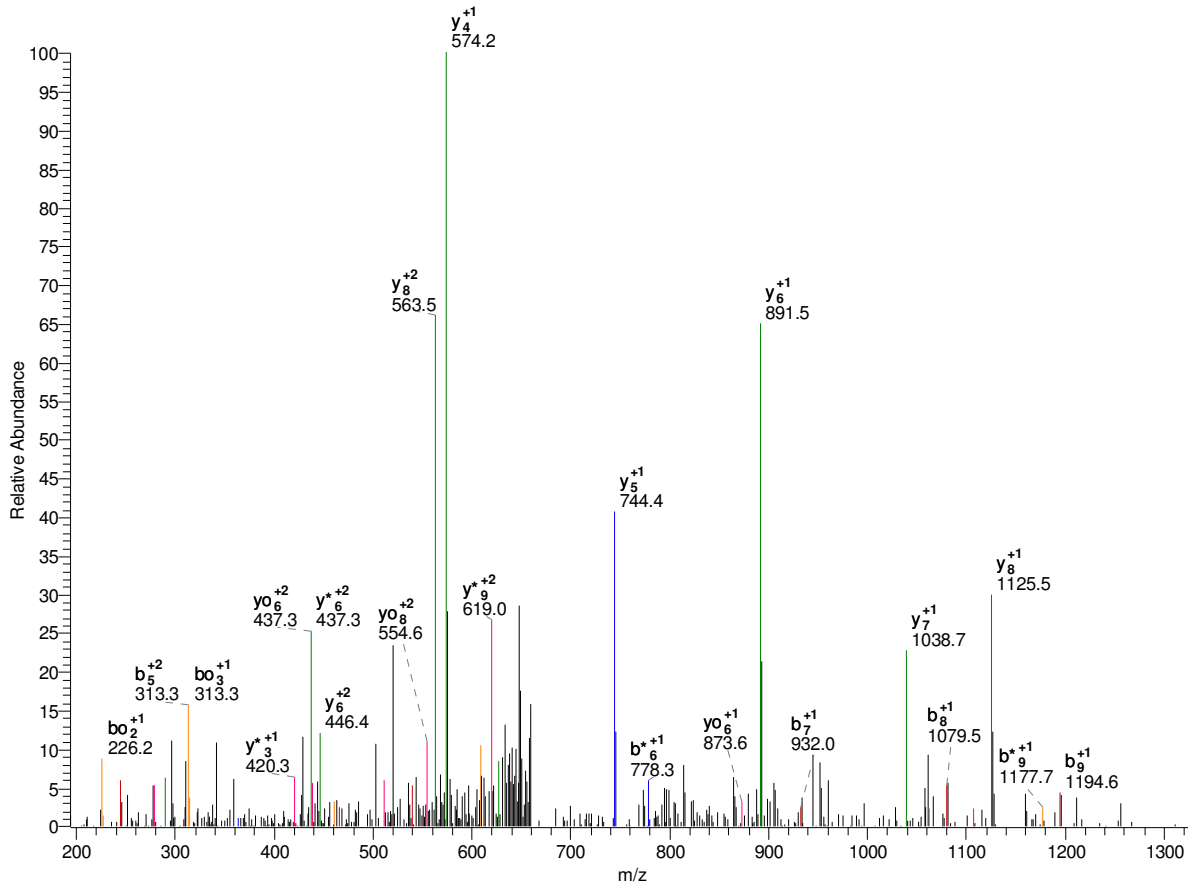
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	16
2	E	244.09	227.07	226.08	1597.89	1580.86	1579.88	15
3	N	358.14	341.11	340.13	1468.85	1451.82	1450.84	14
4	K*	528.24	511.21	510.23	1354.81	1337.78	1336.79	13
5	V	627.31	610.28	609.30	1184.70	1167.67	1166.69	12
6	N	741.35	724.33	723.34	1085.63	1068.60	1067.62	11
7	V	840.42	823.39	822.41	971.59	954.56	953.58	10
8	I	953.51	936.48	935.49	872.52	855.49	854.51	9
9	K*	1123.61	1106.58	1105.60	759.44	742.41	741.43	8
10	G	1180.63	1163.61	1162.62	589.33	572.30	571.32	7
11	A	1251.67	1234.64	1233.66	532.31	515.28	514.30	6
12	G	1308.69	1291.66	1290.68	461.27	444.25	443.26	5
13	S	1395.72	1378.70	1377.71	404.25	387.22	386.24	4
14	I	1508.81	1491.78	1490.80	317.22	300.19	299.21	3
15	G	1565.83	1548.80	1547.82	204.13	187.11	186.12	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	16
2	E	122.55	114.04	113.54	799.45	790.94	790.44	15
3	N	179.57	171.06	170.57	734.93	726.41	725.92	14
4	K*	264.62	256.11	255.62	677.91	669.39	668.90	13

5	V	314.16	305.65	305.15	592.85	584.34	583.85	12
6	N	371.18	362.67	362.17	543.32	534.81	534.31	11
7	V	420.71	412.20	411.71	486.30	477.78	477.29	10
8	I	477.26	468.74	468.25	436.76	428.25	427.76	9
9	K*	562.31	553.80	553.30	380.22	371.71	371.22	8
10	G	590.82	582.31	581.81	295.17	286.66	286.16	7
11	A	626.34	617.82	617.33	266.66	258.14	257.65	6
12	G	654.85	646.34	645.84	231.14	222.63	222.13	5
13	S	698.36	689.85	689.36	202.63	194.12	193.62	4
14	I	754.91	746.39	745.90	159.11	150.60	150.11	3
15	G	783.42	774.90	774.41	102.57	94.06	93.57	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1368.63 K.NESFFK*HFDR.I
 psu|PF13_0179 | organism=Plasmodium_falciparum_3D7 | product=isoleucine--tRNA ligase,
 putative | lo1058 - 1068
 #4374-4374 NL: 1.81E2

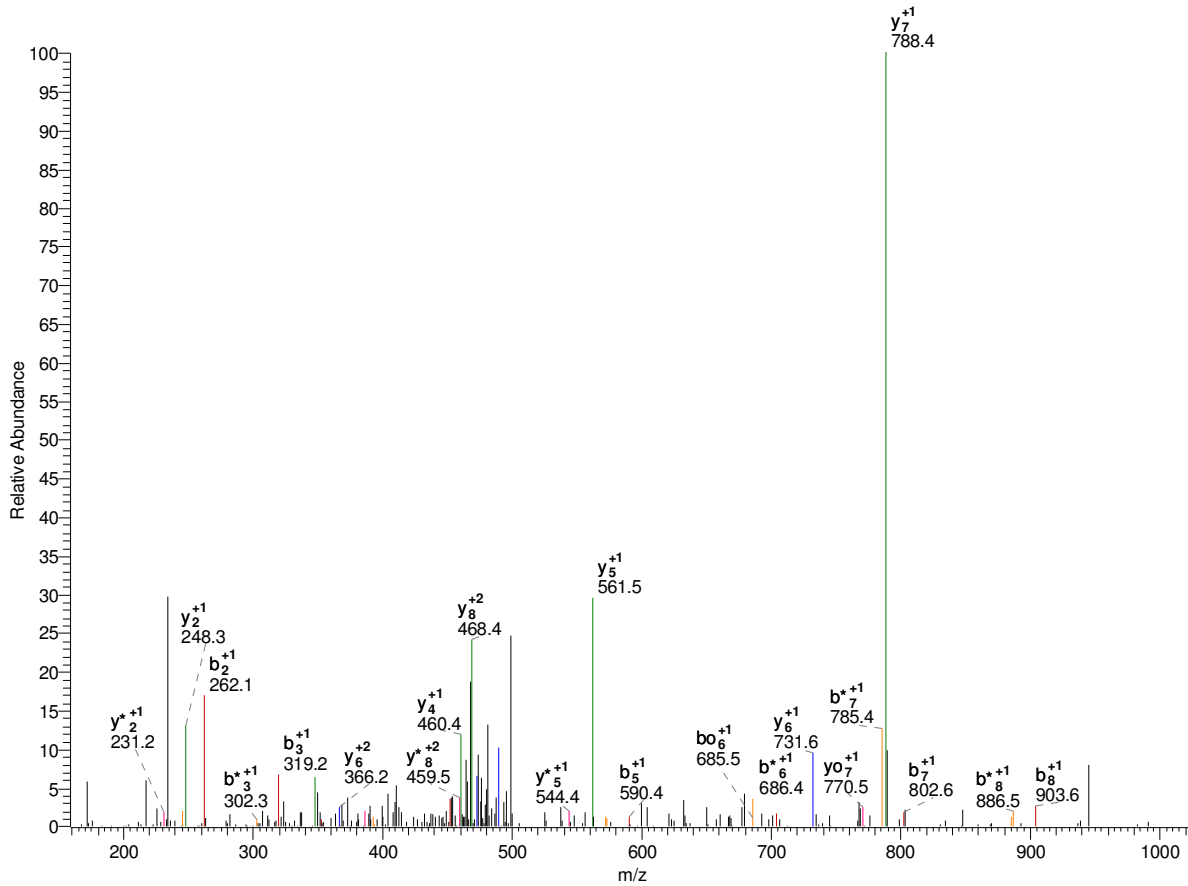


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	10
2	E	244.09	227.07	226.08	1254.59	1237.56	1236.58	9
3	S	331.12	314.10	313.11	1125.55	1108.52	1107.54	8
4	F	478.19	461.17	460.18	1038.52	1021.49	1020.51	7
5	F	625.26	608.24	607.25	891.45	874.42	873.44	6
6	K*	795.37	778.34	777.36	744.38	727.35	726.37	5
7	H	932.43	915.40	914.42	574.27	557.25	556.26	4
8	F	1079.49	1062.47	1061.48	437.21	420.19	419.20	3
9	D	1194.52	1177.49	1176.51	290.15	273.12	272.14	2
10	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	10
2	E	122.55	114.04	113.54	627.80	619.29	618.79	9
3	S	166.07	157.55	157.06	563.28	554.76	554.27	8
4	F	239.60	231.09	230.59	519.76	511.25	510.76	7
5	F	313.13	304.62	304.13	446.23	437.71	437.22	6
6	K*	398.19	389.67	389.18	372.69	364.18	363.69	5
7	H	466.72	458.20	457.71	287.64	279.13	278.63	4
8	F	540.25	531.74	531.25	219.11	210.60	210.11	3
9	D	597.76	589.25	588.76	145.58	137.06	136.57	2
10	R	-	-	-	88.06	79.55	79.06	1

-

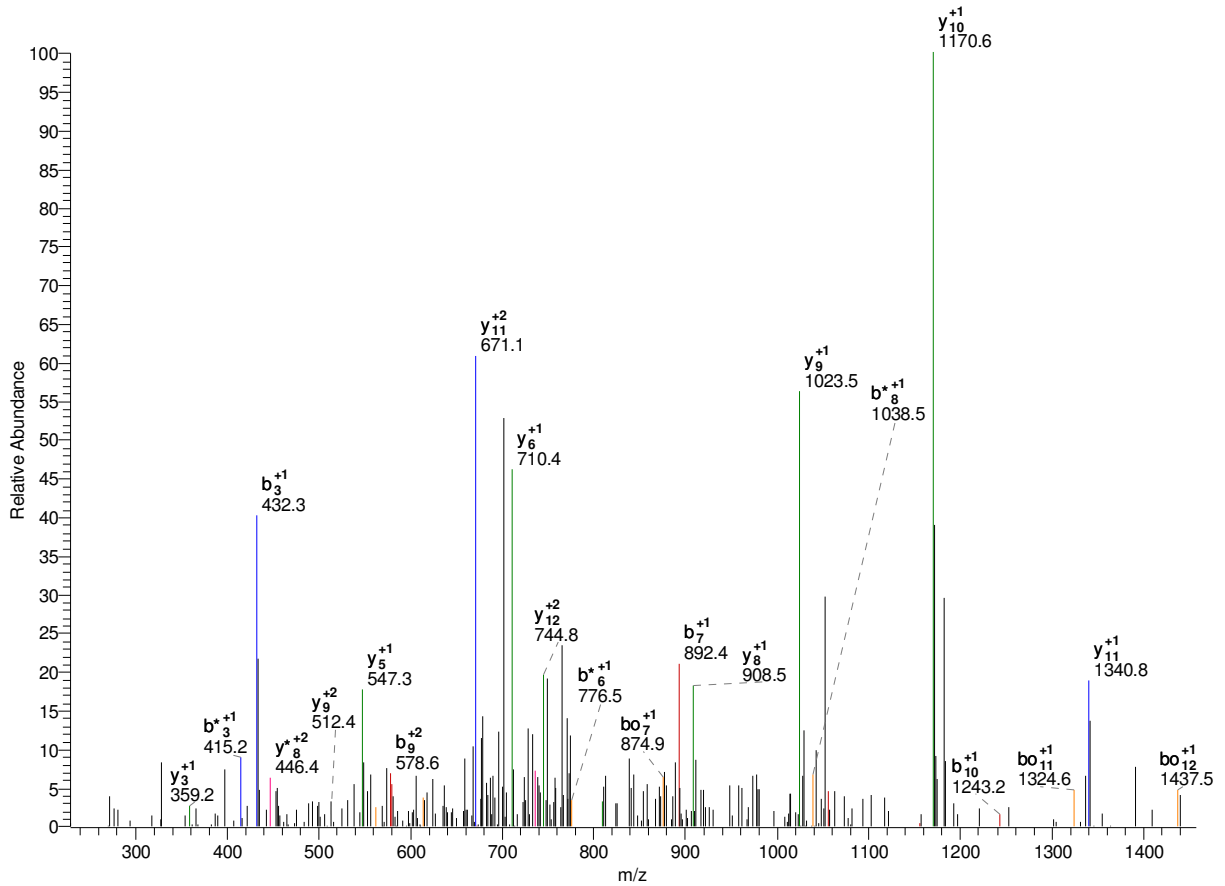
1049.60 R.NFGK*TLVTK.T
 psu|PFC1020c | organism=Plasmodium_falciparum_3D7 | product=40S ribosomal protein S3A,
 putative | 1 41 - 50
 #2808-2808 NL: 2.62E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	9
2	F	262.12	245.09	244.11	935.56	918.53	917.55	8
3	G	319.14	302.11	301.13	788.49	771.46	770.48	7
4	K*	489.25	472.22	471.24	731.47	714.44	713.46	6
5	T	590.29	573.27	572.28	561.36	544.33	543.35	5
6	L	703.38	686.35	685.37	460.31	443.29	442.30	4
7	V	802.45	785.42	784.44	347.23	330.20	329.22	3
8	T	903.49	886.47	885.48	248.16	231.13	230.15	2
9	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	9
2	F	131.56	123.05	122.56	468.28	459.77	459.28	8
3	G	160.07	151.56	151.07	394.75	386.23	385.74	7
4	K*	245.13	236.61	236.12	366.24	357.72	357.23	6
5	T	295.65	287.14	286.65	281.18	272.67	272.18	5
6	L	352.19	343.68	343.19	230.66	222.15	221.65	4
7	V	401.73	393.21	392.72	174.12	165.60	165.11	3
8	T	452.25	443.74	443.25	124.58	116.07	115.58	2
9	K	-	-	-	74.06	65.55	65.05	1

1601.86 K.NFK*FDVVYTSVLK.R
 psu|PF11_0208 | organism=Plasmodium_falciparum_3D7 | product=phosphoglycerate mutase,
 putative | lo48 - 61
 #7264-7264 NL: 9.07E1



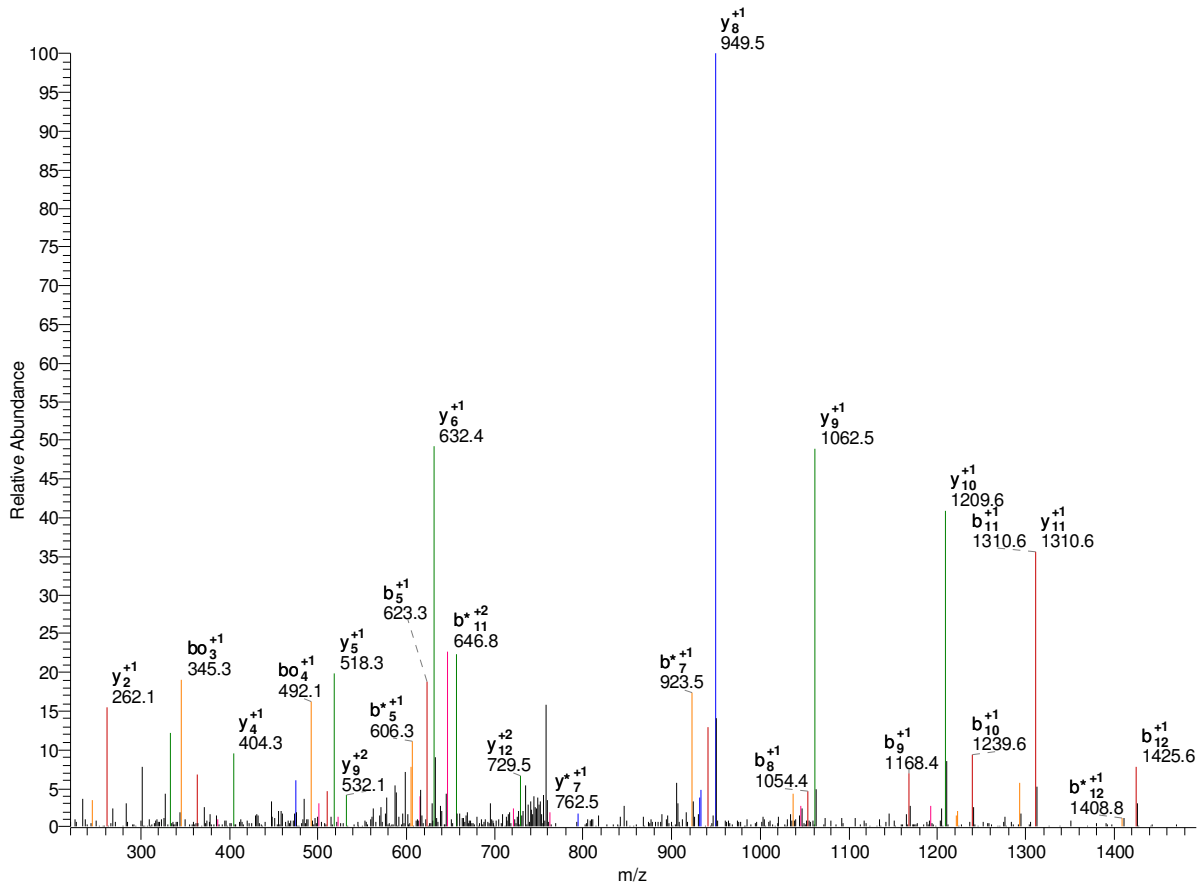
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	13
2	F	262.12	245.09	244.11	1487.81	1470.79	1469.80	12
3	K*	432.22	415.20	414.21	1340.75	1323.72	1322.74	11
4	F	579.29	562.27	561.28	1170.64	1153.61	1152.63	10
5	D	694.32	677.29	676.31	1023.57	1006.55	1005.56	9
6	V	793.39	776.36	775.38	908.55	891.52	890.53	8
7	V	892.46	875.43	874.45	809.48	792.45	791.47	7
8	Y	1055.52	1038.49	1037.51	710.41	693.38	692.40	6
9	T	1156.57	1139.54	1138.56	547.34	530.32	529.33	5
10	S	1243.60	1226.57	1225.59	446.30	429.27	428.29	4
11	V	1342.67	1325.64	1324.66	359.27	342.24	341.25	3
12	L	1455.75	1438.73	1437.74	260.20	243.17	242.19	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	13
2	F	131.56	123.05	122.56	744.41	735.90	735.41	12
3	K*	216.62	208.10	207.61	670.88	662.36	661.87	11
4	F	290.15	281.64	281.14	585.82	577.31	576.82	10
5	D	347.66	339.15	338.66	512.29	503.78	503.28	9
6	V	397.20	388.68	388.19	454.78	446.26	445.77	8
7	V	446.73	438.22	437.73	405.24	396.73	396.24	7

8	Y	528.26	519.75	519.26	355.71	347.19	346.70	6
9	T	578.79	570.27	569.78	274.18	265.66	265.17	5
10	S	622.30	613.79	613.30	223.65	215.14	214.65	4
11	V	671.84	663.32	662.83	180.14	171.62	171.13	3
12	L	728.38	719.87	719.37	130.60	122.09	121.60	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1571.79 K.NFTFIK*FNNAADK.N
 psu|PFL2355w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 117 - 130
 #6794-6794 NL: 1.22E3



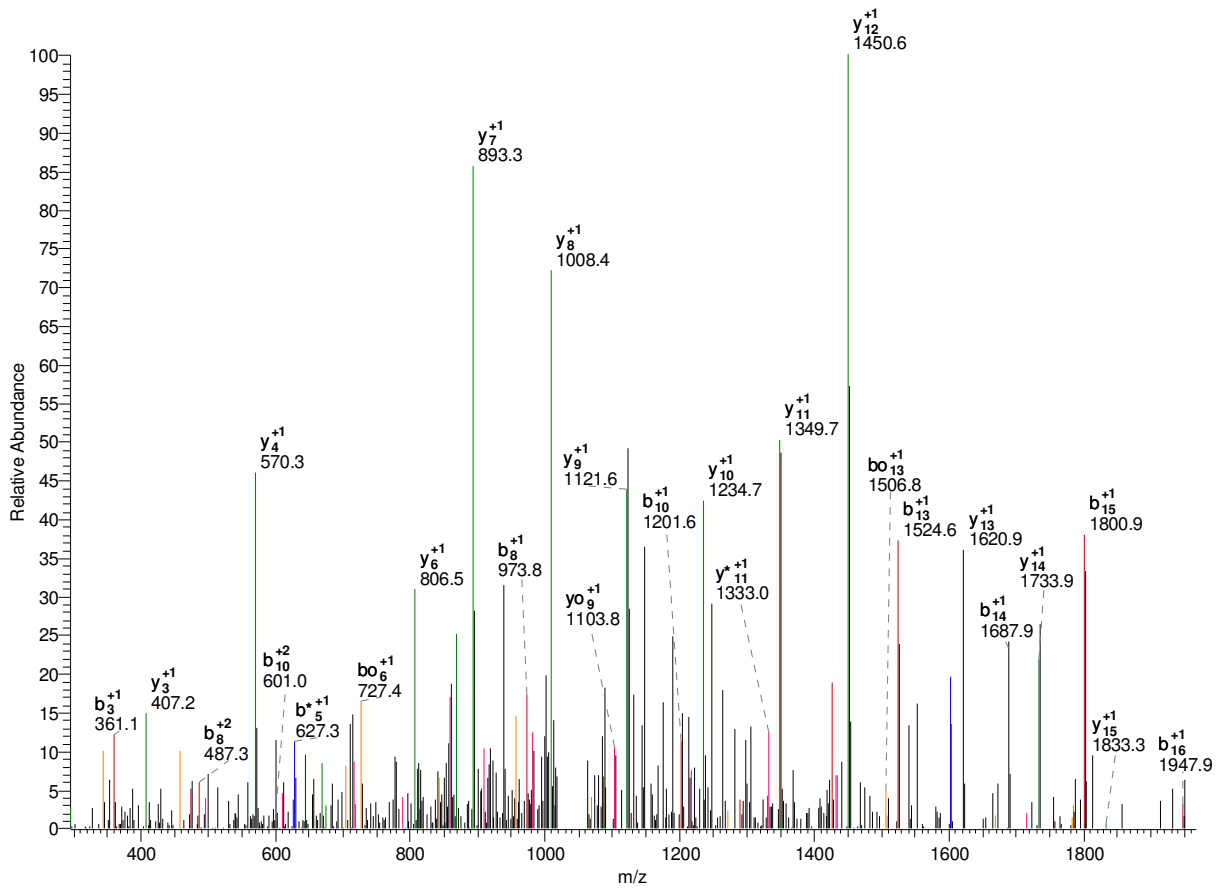
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	13
2	F	262.12	245.09	244.11	1457.74	1440.72	1439.73	12
3	T	363.17	346.14	345.16	1310.67	1293.65	1292.66	11
4	F	510.23	493.21	492.22	1209.63	1192.60	1191.62	10
5	I	623.32	606.29	605.31	1062.56	1045.53	1044.55	9
6	K*	793.42	776.40	775.41	949.47	932.45	931.46	8
7	F	940.49	923.47	922.48	779.37	762.34	761.36	7
8	N	1054.54	1037.51	1036.53	632.30	615.27	614.29	6
9	N	1168.58	1151.55	1150.57	518.26	501.23	500.25	5
10	A	1239.62	1222.59	1221.61	404.21	387.19	386.20	4
11	A	1310.65	1293.63	1292.64	333.18	316.15	315.17	3
12	D	1425.68	1408.65	1407.67	262.14	245.11	244.13	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	13
2	F	131.56	123.05	122.56	729.37	720.86	720.37	12
3	T	182.09	173.57	173.08	655.84	647.33	646.84	11
4	F	255.62	247.11	246.62	605.32	596.80	596.31	10
5	I	312.16	303.65	303.16	531.78	523.27	522.78	9
6	K*	397.22	388.70	388.21	475.24	466.73	466.24	8
7	F	470.75	462.24	461.74	390.19	381.67	381.18	7

8	N	527.77	519.26	518.77	316.65	308.14	307.65	6
9	N	584.79	576.28	575.79	259.63	251.12	250.63	5
10	A	620.31	611.80	611.31	202.61	194.10	193.61	4
11	A	655.83	647.32	646.82	167.09	158.58	158.09	3
12	D	713.34	704.83	704.34	131.57	123.06	122.57	2
13	K	-	-	-	74.06	65.55	65.05	1

-

2094.13 K.NFVLK*TDLLDSHVYIFK.H
 psu|MAL13P1.144 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | lo 225 - 242
 #9708-9708 NL: 1.12E2



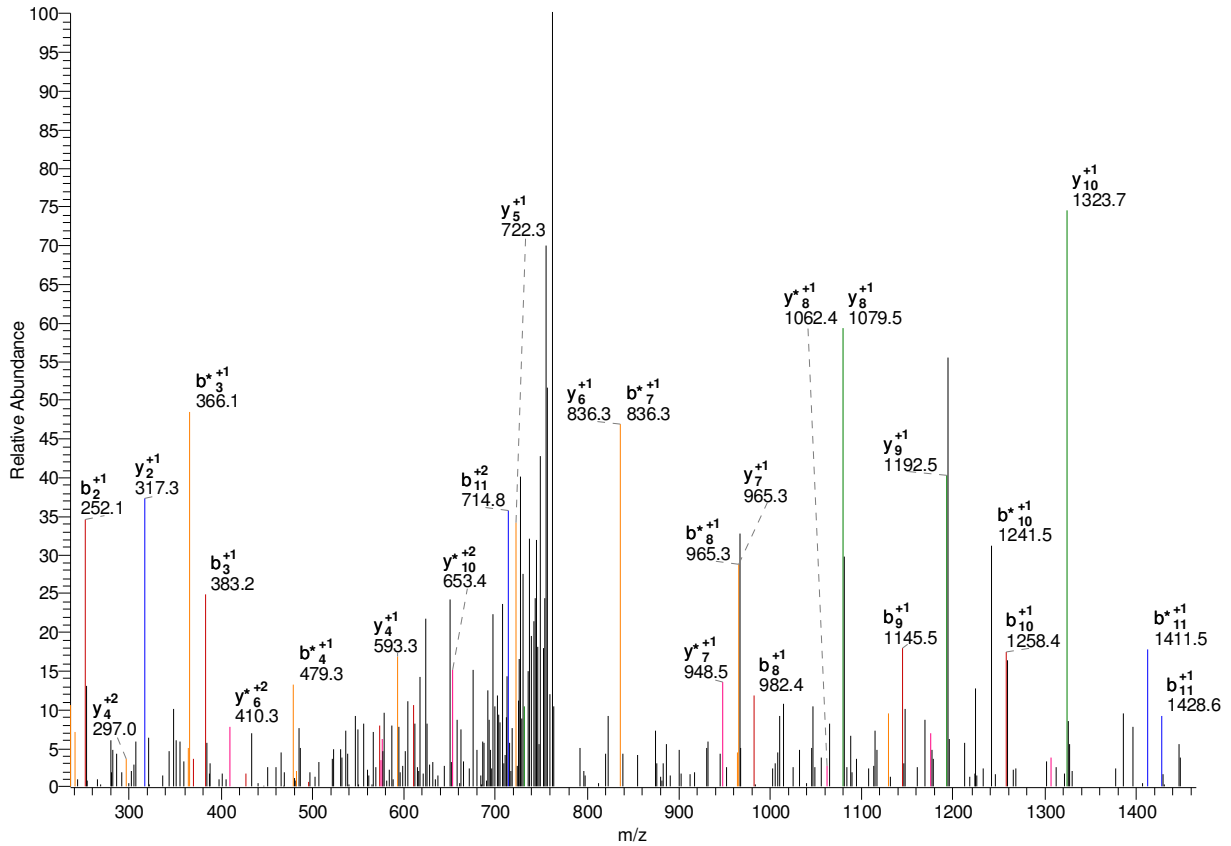
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	17
2	F	262.12	245.09	244.11	1980.08	1963.06	1962.07	16
3	V	361.19	344.16	343.18	1833.02	1815.99	1815.01	15
4	L	474.27	457.24	456.26	1733.95	1716.92	1715.94	14
5	K*	644.38	627.35	626.37	1620.86	1603.84	1602.85	13
6	T	745.42	728.40	727.41	1450.76	1433.73	1432.75	12
7	D	860.45	843.42	842.44	1349.71	1332.68	1331.70	11
8	L	973.54	956.51	955.52	1234.68	1217.66	1216.67	10
9	L	1086.62	1069.59	1068.61	1121.60	1104.57	1103.59	9
10	D	1201.65	1184.62	1183.64	1008.51	991.49	990.50	8
11	S	1288.68	1271.65	1270.67	893.49	876.46	875.48	7
12	H	1425.74	1408.71	1407.73	806.46	789.43	788.45	6
13	V	1524.81	1507.78	1506.80	669.40	652.37	651.39	5
14	Y	1687.87	1670.84	1669.86	570.33	553.30	552.32	4
15	I	1800.95	1783.93	1782.94	407.27	390.24	389.25	3
16	F	1948.02	1930.99	1930.01	294.18	277.15	276.17	2
17	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	17
2	F	131.56	123.05	122.56	990.55	982.03	981.54	16
3	V	181.10	172.58	172.09	917.01	908.50	908.01	15

4	L	237.64	229.13	228.63	867.48	858.96	858.47	14
5	K*	322.69	314.18	313.69	810.94	802.42	801.93	13
6	T	373.22	364.70	364.21	725.88	717.37	716.88	12
7	D	430.73	422.22	421.72	675.36	666.85	666.35	11
8	L	487.27	478.76	478.27	617.85	609.33	608.84	10
9	L	543.81	535.30	534.81	561.30	552.79	552.30	9
10	D	601.33	592.81	592.32	504.76	496.25	495.76	8
11	S	644.84	636.33	635.84	447.25	438.73	438.24	7
12	H	713.37	704.86	704.37	403.73	395.22	394.73	6
13	V	762.91	754.39	753.90	335.20	326.69	326.20	5
14	Y	844.44	835.92	835.43	285.67	277.15	276.66	4
15	I	900.98	892.47	891.97	204.14	195.62	195.13	3
16	F	974.51	966.00	965.51	147.59	139.08	138.59	2
17	K	-	-	-	74.06	65.55	65.05	1

-

1574.76 K.NHMLNENEYIK*K.C
 psu|PF13_0179 | organism=Plasmodium_falciparum_3D7 | product=isoleucine--tRNA ligase,
 putative | lo1219 - 1231
 #2106-2106 NL: 4.88E1



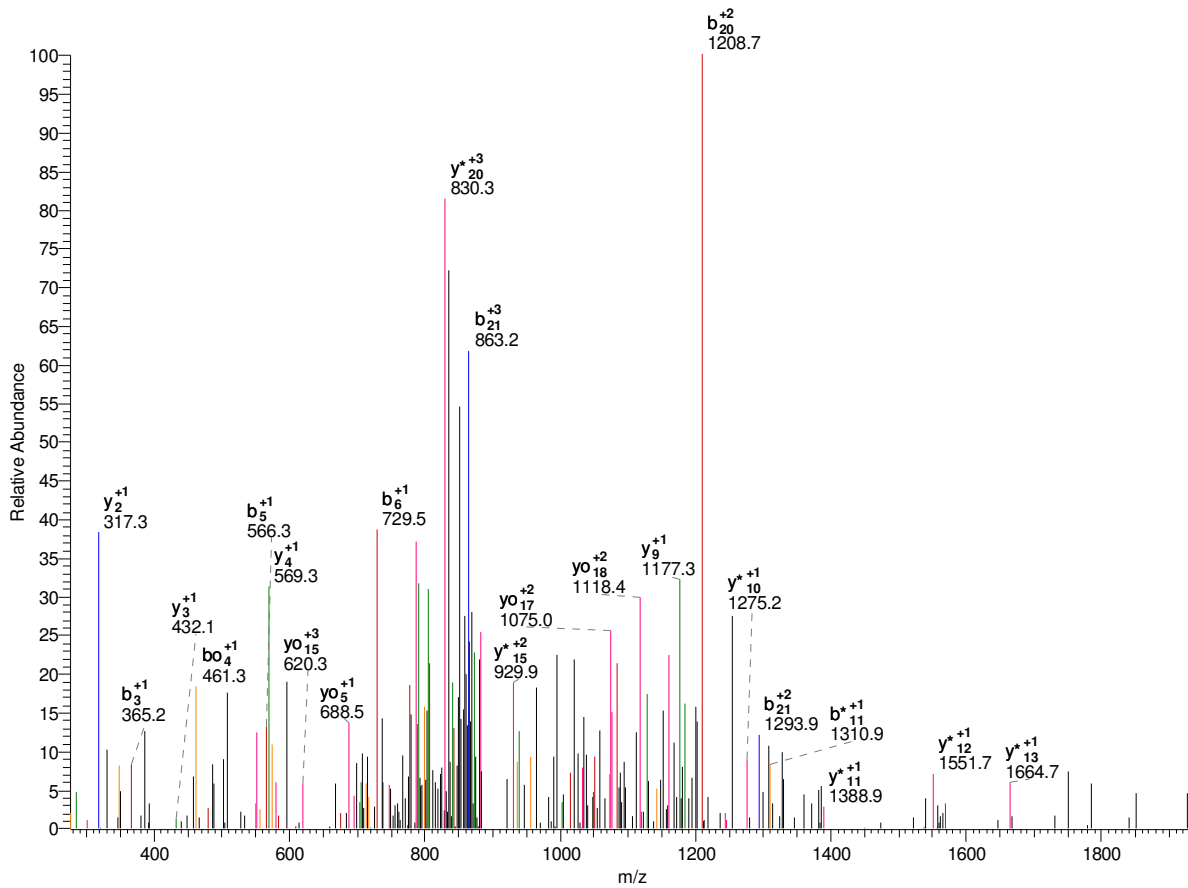
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	12
2	H	252.11	235.08	234.10	1460.72	1443.69	1442.71	11
3	M	383.15	366.12	365.14	1323.66	1306.63	1305.65	10
4	L	496.23	479.21	478.22	1192.62	1175.59	1174.61	9
5	N	610.28	593.25	592.27	1079.54	1062.51	1061.53	8
6	E	739.32	722.29	721.31	965.49	948.47	947.48	7
7	N	853.36	836.34	835.35	836.45	819.42	818.44	6
8	E	982.40	965.38	964.39	722.41	705.38	704.40	5
9	Y	1145.47	1128.44	1127.46	593.37	576.34	575.36	4
10	I	1258.55	1241.53	1240.54	430.30	413.28	412.29	3
11	K*	1428.66	1411.63	1410.65	317.22	300.19	299.21	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	12
2	H	126.56	118.04	117.55	730.86	722.35	721.86	11
3	M	192.08	183.57	183.07	662.33	653.82	653.33	10
4	L	248.62	240.11	239.62	596.81	588.30	587.81	9
5	N	305.64	297.13	296.64	540.27	531.76	531.27	8
6	E	370.16	361.65	361.16	483.25	474.74	474.25	7
7	N	427.18	418.67	418.18	418.73	410.22	409.72	6
8	E	491.71	483.19	482.70	361.71	353.19	352.70	5

9	Y	573.24	564.72	564.23	297.19	288.67	288.18	4
10	I	629.78	621.27	620.77	215.65	207.14	206.65	3
11	K*	714.83	706.32	705.83	159.11	150.60	150.11	2
12	K	-	-	-	74.06	65.55	65.05	1

—

2732.38 R.NIHNSYKPPYLDKEDVHHDK*K.K
 psu|PF11_0177 | organism=Plasmodium_falciparum_3D7 | product=ubiquitin C-terminal
 hydrolase, family 191 - 213
 #2050-2050 NL: 5.22E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	22
2	I	228.13	211.11	210.12	2618.34	2601.31	2600.33	21
3	H	365.19	348.17	347.18	2505.25	2488.23	2487.24	20
4	N	479.24	462.21	461.23	2368.19	2351.17	2350.18	19
5	S	566.27	549.24	548.26	2254.15	2237.12	2236.14	18
6	Y	729.33	712.30	711.32	2167.12	2150.09	2149.11	17
7	K	857.43	840.40	839.42	2004.05	1987.03	1986.04	16
8	P	954.48	937.45	936.47	1875.96	1858.93	1857.95	15
9	P	1051.53	1034.51	1033.52	1778.91	1761.88	1760.90	14
10	I	1164.62	1147.59	1146.61	1681.85	1664.83	1663.84	13
11	Y	1327.68	1310.65	1309.67	1568.77	1551.74	1550.76	12
12	L	1440.76	1423.74	1422.75	1405.71	1388.68	1387.70	11
13	D	1555.79	1538.76	1537.78	1292.62	1275.60	1274.61	10
14	K	1683.89	1666.86	1665.87	1177.60	1160.57	1159.59	9
15	E	1812.93	1795.90	1794.92	1049.50	1032.47	1031.49	8
16	D	1927.95	1910.93	1909.94	920.46	903.43	902.45	7
17	V	2027.02	2010.00	2009.01	805.43	788.40	787.42	6
18	H	2164.08	2147.06	2146.07	706.36	689.34	688.35	5
19	H	2301.14	2284.11	2283.13	569.30	552.28	551.29	4
20	D	2416.17	2399.14	2398.16	432.25	415.22	414.23	3
21	K*	2586.27	2569.25	2568.26	317.22	300.19	299.21	2
22	K	-	-	-	147.11	130.09	129.10	1

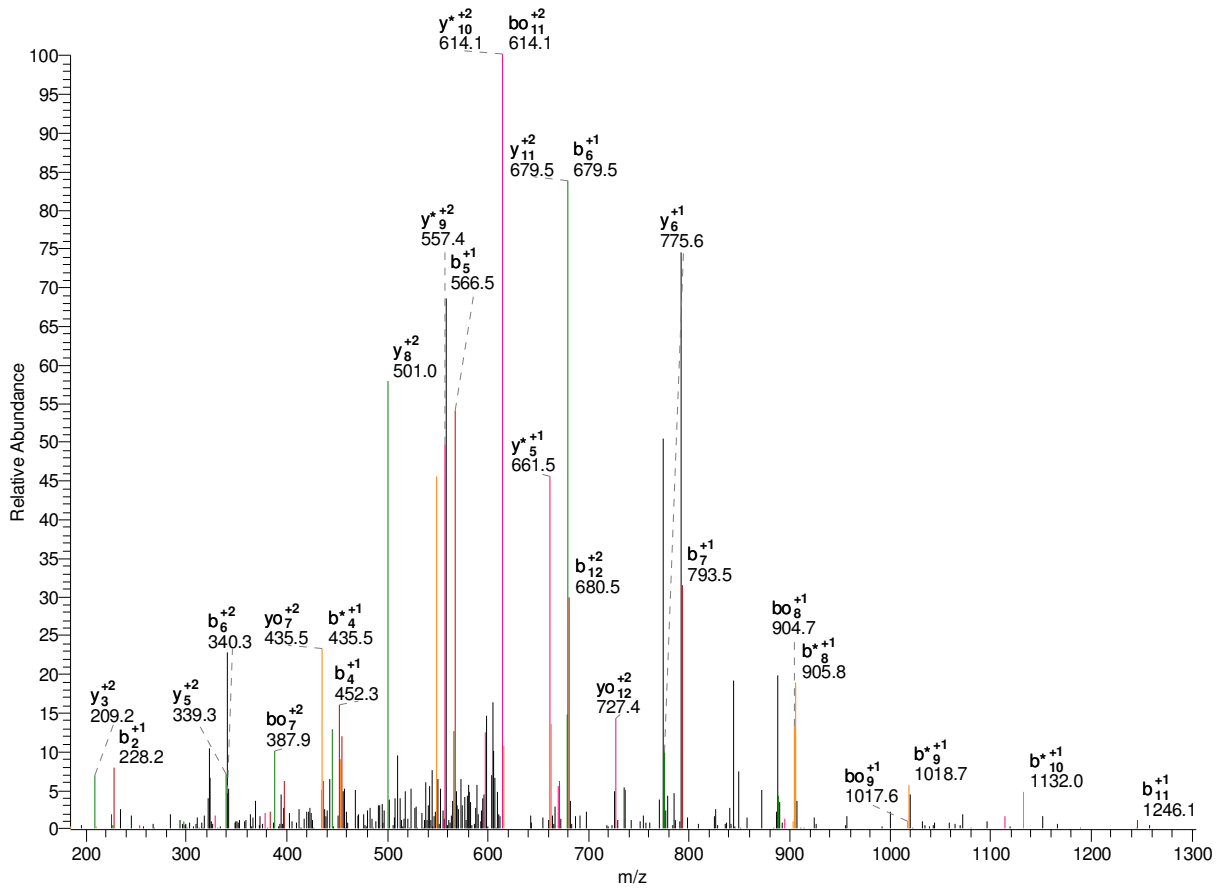
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	22
2	I	114.57	106.06	105.57	1309.67	1301.16	1300.67	21
3	H	183.10	174.59	174.09	1253.13	1244.62	1244.12	20
4	N	240.12	231.61	231.12	1184.60	1176.09	1175.59	19
5	S	283.64	275.12	274.63	1127.58	1119.07	1118.57	18
6	Y	365.17	356.66	356.16	1084.06	1075.55	1075.06	17
7	K	429.22	420.70	420.21	1002.53	994.02	993.53	16
8	P	477.74	469.23	468.74	938.48	929.97	929.48	15
9	P	526.27	517.76	517.26	889.96	881.44	880.95	14
10	I	582.81	574.30	573.81	841.43	832.92	832.43	13
11	Y	664.34	655.83	655.34	784.89	776.38	775.88	12
12	L	720.89	712.37	711.88	703.36	694.84	694.35	11
13	D	778.40	769.89	769.39	646.82	638.30	637.81	10
14	K	842.45	833.93	833.44	589.30	580.79	580.30	9
15	E	906.97	898.45	897.96	525.25	516.74	516.25	8
16	D	964.48	955.97	955.48	460.73	452.22	451.73	7
17	V	1014.02	1005.50	1005.01	403.22	394.71	394.21	6
18	H	1082.54	1074.03	1073.54	353.69	345.17	344.68	5
19	H	1151.07	1142.56	1142.07	285.16	276.64	276.15	4
20	D	1208.59	1200.07	1199.58	216.63	208.11	207.62	3
21	K*	1293.64	1285.13	1284.64	159.11	150.60	150.11	2
22	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	22
2	I	76.72	71.04	70.71	873.45	867.77	867.45	21
3	H	122.40	116.73	116.40	835.76	830.08	829.75	20
4	N	160.42	154.74	154.41	790.07	784.39	784.07	19
5	S	189.43	183.75	183.42	752.05	746.38	746.05	18
6	Y	243.78	238.11	237.78	723.04	717.37	717.04	17
7	K	286.48	280.80	280.48	668.69	663.01	662.69	16
8	P	318.83	313.16	312.83	625.99	620.32	619.99	15
9	P	351.18	345.51	345.18	593.64	587.97	587.64	14
10	I	388.88	383.20	382.87	561.29	555.61	555.29	13
11	Y	443.23	437.56	437.23	523.59	517.92	517.59	12
12	L	480.93	475.25	474.92	469.24	463.57	463.24	11
13	D	519.27	513.59	513.26	431.55	425.87	425.54	10
14	K	561.97	556.29	555.96	393.20	387.53	387.20	9
15	E	604.98	599.31	598.98	350.51	344.83	344.50	8
16	D	643.32	637.65	637.32	307.49	301.82	301.49	7
17	V	676.35	670.67	670.34	269.15	263.47	263.15	6
18	H	722.03	716.36	716.03	236.13	230.45	230.12	5
19	H	767.72	762.04	761.72	190.44	184.76	184.44	4
20	D	806.06	800.39	800.06	144.75	139.08	138.75	3
21	K*	862.76	857.09	856.76	106.41	100.74	100.41	2
22	K	-	-	-	49.71	44.03	43.71	1

-

1922.95 K.NIHSNINEILPNFCPR*.Y
 psu|PFI0160w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 2359 - 2375
 #6837-6837 NL: 2.03E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	16
2	I	228.13	211.11	210.12	1808.91	1791.88	1790.90	15
3	H	365.19	348.17	347.18	1695.83	1678.80	1677.82	14
4	S	452.23	435.20	434.21	1558.77	1541.74	1540.76	13
5	N	566.27	549.24	548.26	1471.74	1454.71	1453.73	12
6	I	679.35	662.33	661.34	1357.69	1340.67	1339.68	11
7	N	793.40	776.37	775.38	1244.61	1227.58	1226.60	10
8	E	922.44	905.41	904.43	1130.57	1113.54	1112.56	9
9	I	1035.52	1018.50	1017.51	1001.52	984.50	983.51	8
10	L	1148.61	1131.58	1130.60	888.44	871.41	870.43	7
11	P	1245.66	1228.63	1227.65	775.36	758.33	757.35	6
12	N	1359.70	1342.67	1341.69	678.30	661.28	660.29	5
13	F	1506.77	1489.74	1488.76	564.26	547.23	546.25	4
14	C	1609.78	1592.75	1591.77	417.19	400.16	399.18	3
15	P	1706.83	1689.81	1688.82	314.18	297.16	296.17	2
16	R*	-	-	-	217.13	200.10	199.12	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	16
2	I	114.57	106.06	105.57	904.96	896.45	895.95	15
3	H	183.10	174.59	174.09	848.42	839.90	839.41	14
4	S	226.62	218.10	217.61	779.89	771.37	770.88	13

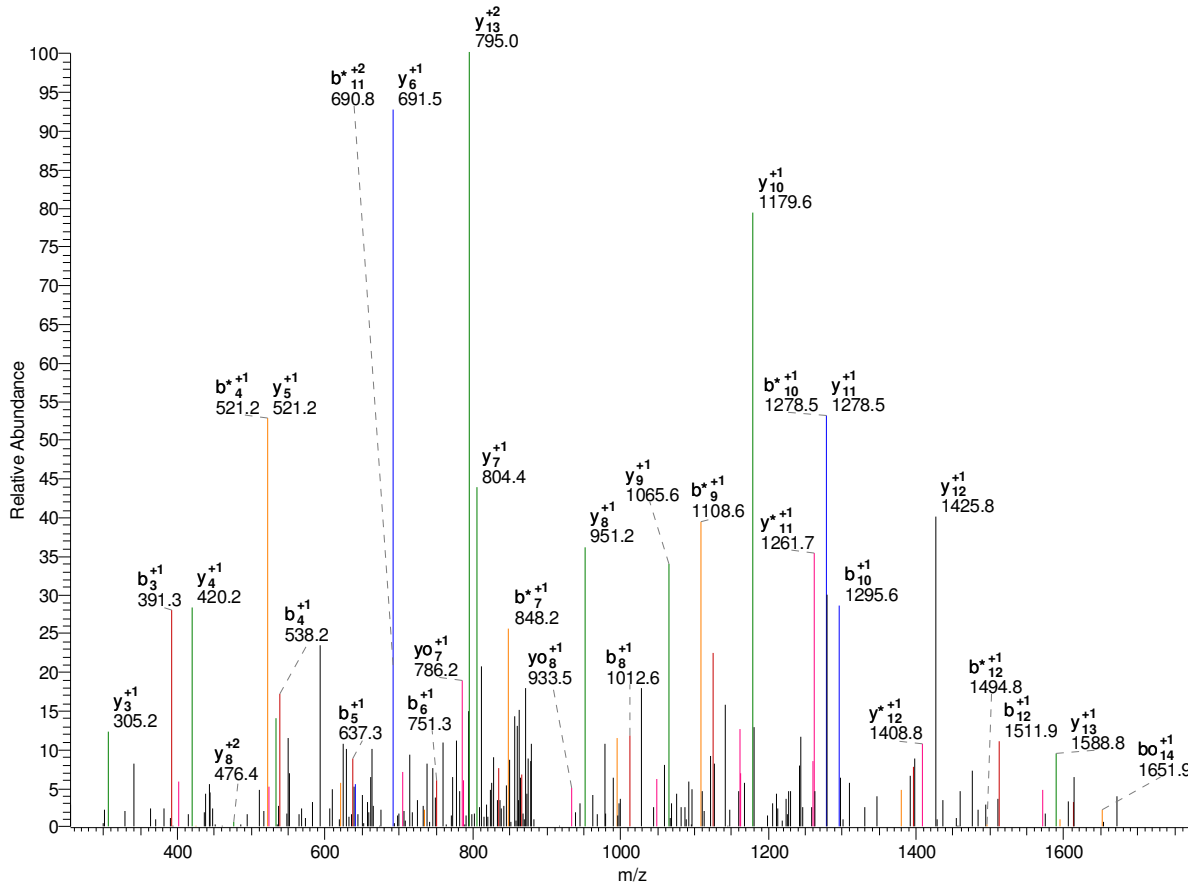
5	N	283.64	275.12	274.63	736.37	727.86	727.37	12
6	I	340.18	331.67	331.17	679.35	670.84	670.34	11
7	N	397.20	388.69	388.20	622.81	614.29	613.80	10
8	E	461.72	453.21	452.72	565.79	557.27	556.78	9
9	I	518.26	509.75	509.26	501.27	492.75	492.26	8
10	L	574.81	566.29	565.80	444.72	436.21	435.72	7
11	P	623.33	614.82	614.33	388.18	379.67	379.18	6
12	N	680.35	671.84	671.35	339.66	331.14	330.65	5
13	F	753.89	745.38	744.88	282.63	274.12	273.63	4
14	C	805.39	796.88	796.39	209.10	200.59	200.09	3
15	P	853.92	845.41	844.91	157.59	149.08	148.59	2
16	R*	-	-	-	109.07	100.56	100.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	16
2	I	76.72	71.04	70.71	603.64	597.97	597.64	15
3	H	122.40	116.73	116.40	565.95	560.27	559.94	14
4	S	151.41	145.74	145.41	520.26	514.59	514.26	13
5	N	189.43	183.75	183.42	491.25	485.57	485.25	12
6	I	227.12	221.45	221.12	453.24	447.56	447.23	11
7	N	265.14	259.46	259.13	415.54	409.87	409.54	10
8	E	308.15	302.48	302.15	377.53	371.85	371.52	9
9	I	345.85	340.17	339.84	334.51	328.84	328.51	8
10	L	383.54	377.86	377.54	296.82	291.14	290.81	7
11	P	415.89	410.22	409.89	259.12	253.45	253.12	6
12	N	453.91	448.23	447.90	226.77	221.10	220.77	5
13	F	502.93	497.25	496.92	188.76	183.08	182.75	4
14	C	537.26	531.59	531.26	139.74	134.06	133.73	3
15	P	569.62	563.94	563.61	105.40	99.72	99.40	2
16	R*	-	-	-	73.05	67.37	67.04	1

-

1815.93 R.NIYFVNNFLK*TDTGK.I
 psu|PFF0945c | organism=Plasmodium_falciparum_3D7 | product=bi-functional enzyme
 PfACS10: long-chai 622 - 637
 #6384-6384 NL: 6.49E1



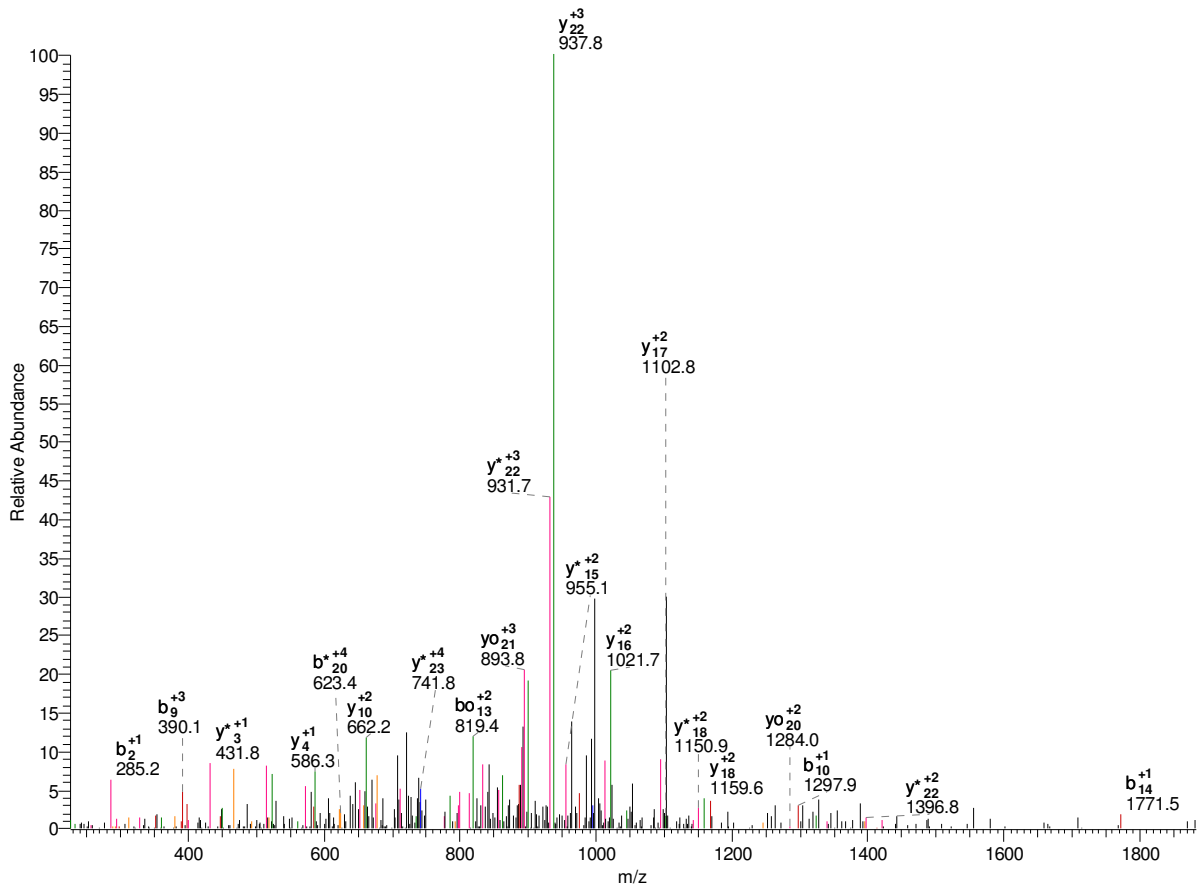
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	15
2	I	228.13	211.11	210.12	1701.88	1684.86	1683.87	14
3	Y	391.20	374.17	373.19	1588.80	1571.77	1570.79	13
4	F	538.27	521.24	520.26	1425.74	1408.71	1407.73	12
5	V	637.33	620.31	619.32	1278.67	1261.64	1260.66	11
6	N	751.38	734.35	733.37	1179.60	1162.57	1161.59	10
7	N	865.42	848.39	847.41	1065.56	1048.53	1047.55	9
8	F	1012.49	995.46	994.48	951.51	934.49	933.50	8
9	L	1125.57	1108.55	1107.56	804.45	787.42	786.44	7
10	K*	1295.68	1278.65	1277.67	691.36	674.34	673.35	6
11	T	1396.73	1379.70	1378.72	521.26	504.23	503.25	5
12	D	1511.75	1494.73	1493.74	420.21	403.18	402.20	4
13	T	1612.80	1595.77	1594.79	305.18	288.16	287.17	3
14	G	1669.82	1652.80	1651.81	204.13	187.11	186.12	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	15
2	I	114.57	106.06	105.57	851.45	842.93	842.44	14
3	Y	196.10	187.59	187.10	794.90	786.39	785.90	13
4	F	269.64	261.12	260.63	713.37	704.86	704.37	12
5	V	319.17	310.66	310.17	639.84	631.32	630.83	11

6	N	376.19	367.68	367.19	590.30	581.79	581.30	10
7	N	433.21	424.70	424.21	533.28	524.77	524.28	9
8	F	506.75	498.23	497.74	476.26	467.75	467.26	8
9	L	563.29	554.78	554.28	402.73	394.21	393.72	7
10	K*	648.34	639.83	639.34	346.18	337.67	337.18	6
11	T	698.87	690.35	689.86	261.13	252.62	252.13	5
12	D	756.38	747.87	747.37	210.61	202.09	201.60	4
13	T	806.90	798.39	797.90	153.09	144.58	144.09	3
14	G	835.41	826.90	826.41	102.57	94.06	93.57	2
15	K	-	-	-	74.06	65.55	65.05	1

—

3094.27 K.NK*LEHLYDEDEDDYDDNDHHR.Y
 psu|PF13_0116 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 652 - 676
 #4318-4318 NL: 3.00E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	24
2	K*	285.16	268.13	267.15	2980.23	2963.20	2962.21	23
3	L	398.24	381.21	380.23	2810.12	2793.09	2792.11	22
4	L	511.32	494.30	493.31	2697.04	2680.01	2679.03	21
5	E	640.37	623.34	622.36	2583.95	2566.93	2565.94	20
6	H	777.43	760.40	759.41	2454.91	2437.88	2436.90	19
7	L	890.51	873.48	872.50	2317.85	2300.82	2299.84	18
8	Y	1053.57	1036.55	1035.56	2204.77	2187.74	2186.76	17
9	D	1168.60	1151.57	1150.59	2041.70	2024.68	2023.69	16
10	E	1297.64	1280.62	1279.63	1926.68	1909.65	1908.67	15
11	D	1412.67	1395.64	1394.66	1797.63	1780.61	1779.62	14
12	D	1527.70	1510.67	1509.69	1682.61	1665.58	1664.60	13
13	E	1656.74	1639.71	1638.73	1567.58	1550.55	1549.57	12
14	D	1771.77	1754.74	1753.76	1438.54	1421.51	1420.53	11
15	Y	1934.83	1917.80	1916.82	1323.51	1306.48	1305.50	10
16	D	2049.86	2032.83	2031.85	1160.45	1143.42	1142.44	9
17	D	2164.88	2147.86	2146.87	1045.42	1028.39	1027.41	8
18	D	2279.91	2262.88	2261.90	930.39	913.37	912.38	7
19	N	2393.95	2376.93	2375.94	815.37	798.34	797.35	6
20	D	2508.98	2491.95	2490.97	701.32	684.30	683.31	5
21	H	2646.04	2629.01	2628.03	586.30	569.27	568.29	4
22	H	2783.10	2766.07	2765.09	449.24	432.21	431.23	3

23	H	2920.16	2903.13	2902.15	312.18	295.15	294.17	2
24	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	24
2	K*	143.08	134.57	134.08	1490.62	1482.10	1481.61	23
3	L	199.62	191.11	190.62	1405.56	1397.05	1396.56	22
4	L	256.17	247.65	247.16	1349.02	1340.51	1340.02	21
5	E	320.69	312.17	311.68	1292.48	1283.97	1283.47	20
6	H	389.22	380.70	380.21	1227.96	1219.44	1218.95	19
7	L	445.76	437.25	436.75	1159.43	1150.92	1150.42	18
8	Y	527.29	518.78	518.28	1102.89	1094.37	1093.88	17
9	D	584.80	576.29	575.80	1021.35	1012.84	1012.35	16
10	E	649.32	640.81	640.32	963.84	955.33	954.84	15
11	D	706.84	698.32	697.83	899.32	890.81	890.31	14
12	D	764.35	755.84	755.35	841.81	833.29	832.80	13
13	E	828.87	820.36	819.87	784.29	775.78	775.29	12
14	D	886.39	877.87	877.38	719.77	711.26	710.77	11
15	Y	967.92	959.40	958.91	662.26	653.75	653.25	10
16	D	1025.43	1016.92	1016.43	580.73	572.21	571.72	9
17	D	1082.95	1074.43	1073.94	523.21	514.70	514.21	8
18	D	1140.46	1131.95	1131.45	465.70	457.19	456.69	7
19	N	1197.48	1188.97	1188.47	408.19	399.67	399.18	6
20	D	1254.99	1246.48	1245.99	351.16	342.65	342.16	5
21	H	1323.52	1315.01	1314.52	293.65	285.14	284.65	4
22	H	1392.05	1383.54	1383.05	225.12	216.61	216.12	3
23	H	1460.58	1452.07	1451.58	156.59	148.08	147.59	2
24	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	24
2	K*	95.72	90.05	89.72	994.08	988.40	988.08	23
3	L	133.42	127.74	127.41	937.38	931.70	931.37	22
4	L	171.11	165.44	165.11	899.68	894.01	893.68	21
5	E	214.13	208.45	208.12	861.99	856.31	855.99	20
6	H	259.81	254.14	253.81	818.97	813.30	812.97	19
7	L	297.51	291.83	291.50	773.29	767.61	767.28	18
8	Y	351.86	346.19	345.86	735.59	729.92	729.59	17
9	D	390.20	384.53	384.20	681.24	675.56	675.24	16
10	E	433.22	427.54	427.22	642.90	637.22	636.89	15
11	D	471.56	465.89	465.56	599.88	594.21	593.88	14
12	D	509.90	504.23	503.90	561.54	555.86	555.54	13
13	E	552.92	547.24	546.91	523.20	517.52	517.19	12
14	D	591.26	585.58	585.26	480.18	474.51	474.18	11
15	Y	645.61	639.94	639.61	441.84	436.17	435.84	10
16	D	683.96	678.28	677.95	387.49	381.81	381.48	9
17	D	722.30	716.62	716.30	349.14	343.47	343.14	8
18	D	760.64	754.97	754.64	310.80	305.13	304.80	7
19	N	798.66	792.98	792.65	272.46	266.78	266.46	6
20	D	837.00	831.32	830.99	234.45	228.77	228.44	5
21	H	882.68	877.01	876.68	196.10	190.43	190.10	4
22	H	928.37	922.70	922.37	150.42	144.74	144.41	3
23	H	974.06	968.38	968.05	104.73	99.06	98.73	2
24	R	-	-	-	59.04	53.37	53.04	1

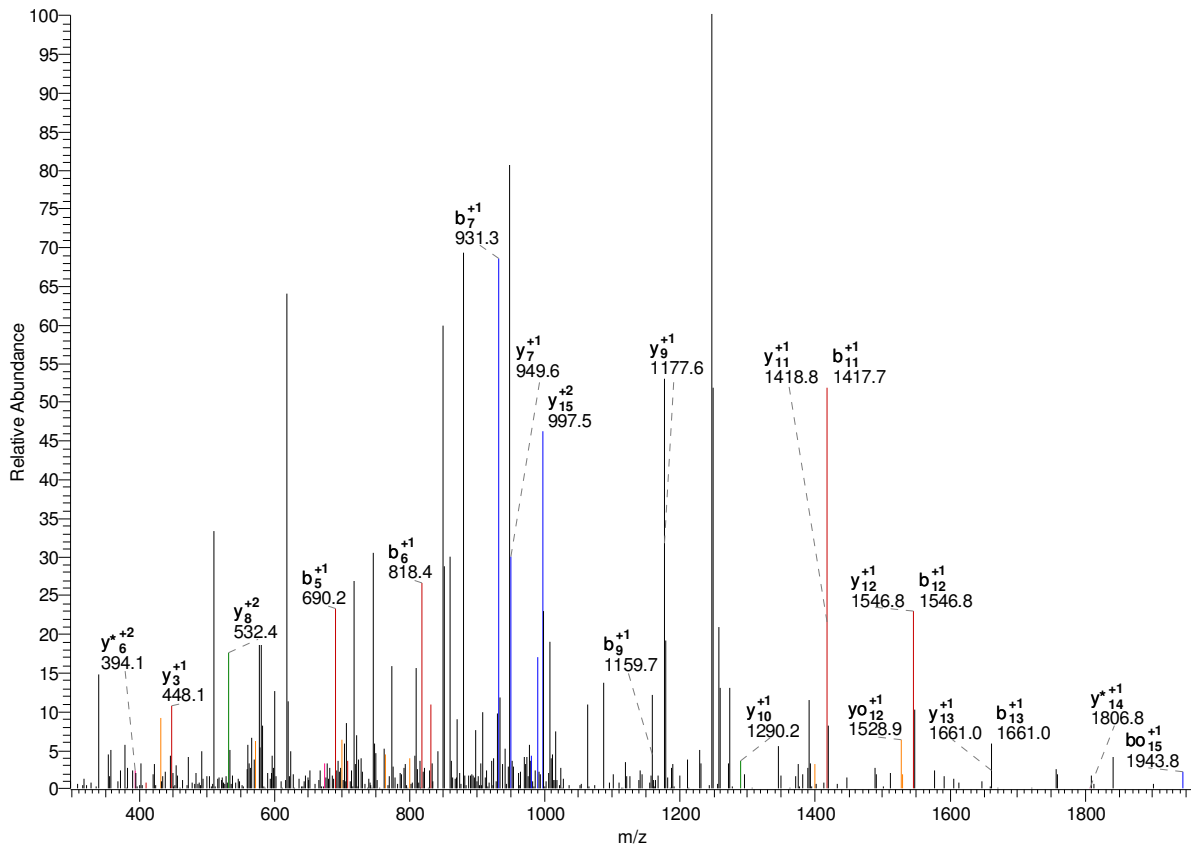
-

+4 Ions		B	B*	B0	Y	Y*	Y0	
1	N	29.52	25.26	25.02	-	-	-	24

2	K*	72.04	67.79	67.54	745.81	741.56	741.31	23
3	L	100.32	96.06	95.81	703.29	699.03	698.78	22
4	L	128.59	124.33	124.08	675.01	670.76	670.51	21
5	E	160.85	156.59	156.34	646.74	642.49	642.24	20
6	H	195.11	190.86	190.61	614.48	610.23	609.98	19
7	L	223.38	219.13	218.88	580.22	575.96	575.72	18
8	Y	264.15	259.89	259.65	551.95	547.69	547.44	17
9	D	292.91	288.65	288.40	511.18	506.92	506.68	16
10	E	325.17	320.91	320.66	482.42	478.17	477.92	15
11	D	353.92	349.67	349.42	450.16	445.91	445.66	14
12	D	382.68	378.42	378.18	421.41	417.15	416.90	13
13	E	414.94	410.68	410.44	392.65	388.39	388.15	12
14	D	443.70	439.44	439.19	360.39	356.13	355.89	11
15	Y	484.46	480.21	479.96	331.63	327.38	327.13	10
16	D	513.22	508.96	508.72	290.87	286.61	286.36	9
17	D	541.98	537.72	537.47	262.11	257.85	257.61	8
18	D	570.73	566.48	566.23	233.35	229.10	228.85	7
19	N	599.24	594.99	594.74	204.60	200.34	200.09	6
20	D	628.00	623.74	623.50	176.09	171.83	171.58	5
21	H	662.27	658.01	657.76	147.33	143.07	142.83	4
22	H	696.53	692.27	692.03	113.06	108.81	108.56	3
23	H	730.79	726.54	726.29	78.80	74.54	74.30	2
24	R	-	-	-	44.54	40.28	40.03	1

—

2108.12 K.NK*YNKKIIDM#LENMK*K.N
 psu|PFA0625w | organism=Plasmodium_falci-parum_3D7 | product=surface-associated
 interspersed gene, (1445 - 1461
 #10144-10144 NL: 2.04E2



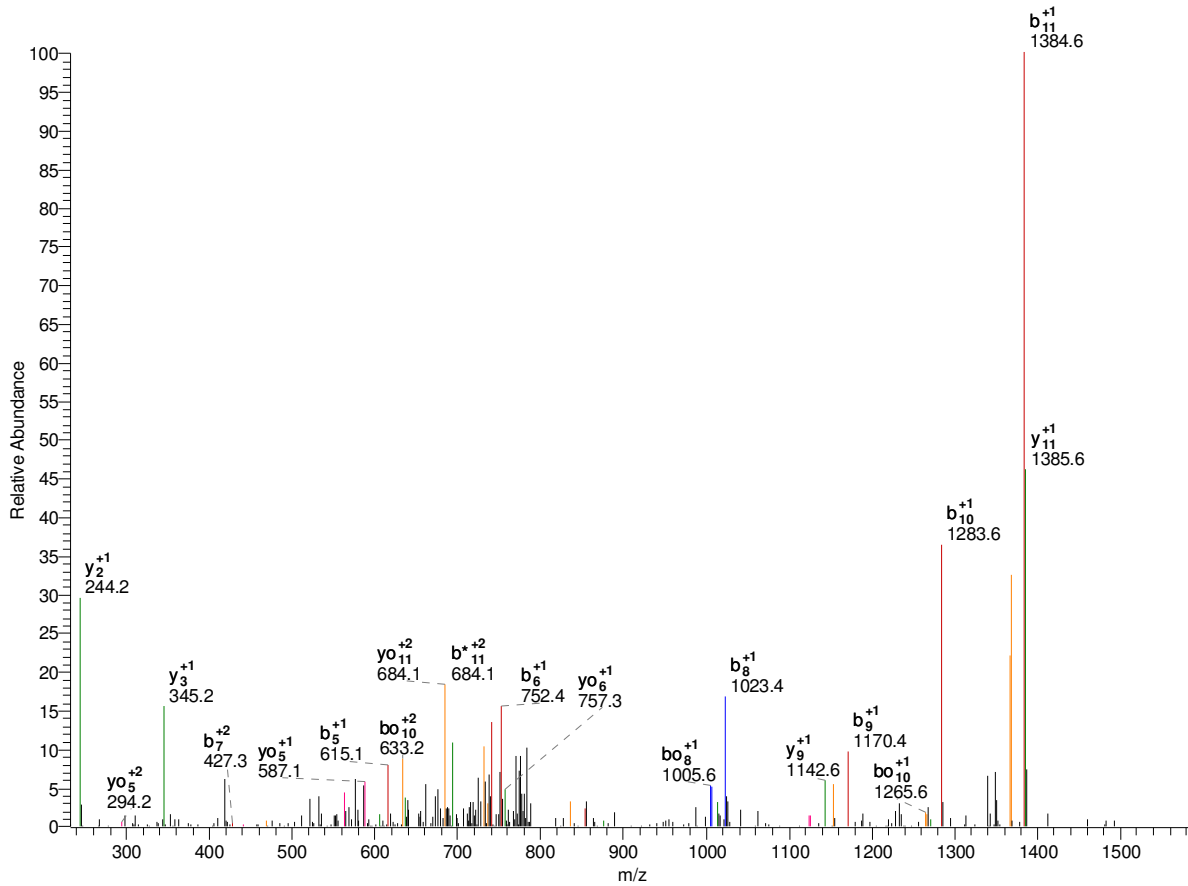
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	16
2	K*	285.16	268.13	267.15	1994.08	1977.05	1976.07	15
3	Y	448.22	431.19	430.21	1823.98	1806.95	1805.97	14
4	N	562.26	545.24	544.25	1660.91	1643.89	1642.90	13
5	K	690.36	673.33	672.35	1546.87	1529.84	1528.86	12
6	K	818.45	801.43	800.44	1418.77	1401.75	1400.76	11
7	I	931.54	914.51	913.53	1290.68	1273.65	1272.67	10
8	I	1044.62	1027.59	1026.61	1177.60	1160.57	1159.58	9
9	D	1159.65	1142.62	1141.64	1064.51	1047.48	1046.50	8
10	M#	1304.70	1287.68	1286.69	949.48	932.46	931.47	7
11	L	1417.79	1400.76	1399.78	804.43	787.40	786.42	6
12	E	1546.83	1529.80	1528.82	691.34	674.32	673.33	5
13	N	1660.87	1643.85	1642.86	562.30	545.28	544.29	4
14	M	1791.91	1774.89	1773.90	448.26	431.23	430.25	3
15	K*	1962.02	1944.99	1944.01	317.22	300.19	299.21	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	16
2	K*	143.08	134.57	134.08	997.54	989.03	988.54	15
3	Y	224.61	216.10	215.61	912.49	903.98	903.49	14
4	N	281.63	273.12	272.63	830.96	822.45	821.95	13

5	K	345.68	337.17	336.68	773.94	765.43	764.93	12
6	K	409.73	401.22	400.72	709.89	701.38	700.89	11
7	I	466.27	457.76	457.27	645.84	637.33	636.84	10
8	I	522.81	514.30	513.81	589.30	580.79	580.30	9
9	D	580.33	571.81	571.32	532.76	524.25	523.75	8
10	M#	652.86	644.34	643.85	475.25	466.73	466.24	7
11	L	709.40	700.88	700.39	402.72	394.20	393.71	6
12	E	773.92	765.41	764.91	346.18	337.66	337.17	5
13	N	830.94	822.43	821.93	281.65	273.14	272.65	4
14	M	896.46	887.95	887.45	224.63	216.12	215.63	3
15	K*	981.51	973.00	972.51	159.11	150.60	150.11	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1627.81 K.NKNEEHTK*FLTPQ
 psu|PFF1025c | organism=Plasmodium_falciparum_3D7 | product=pyridoxine biosynthetic
 enzyme pdx1 hom 288 - 300
 #2024-2024 NL: 2.38E2



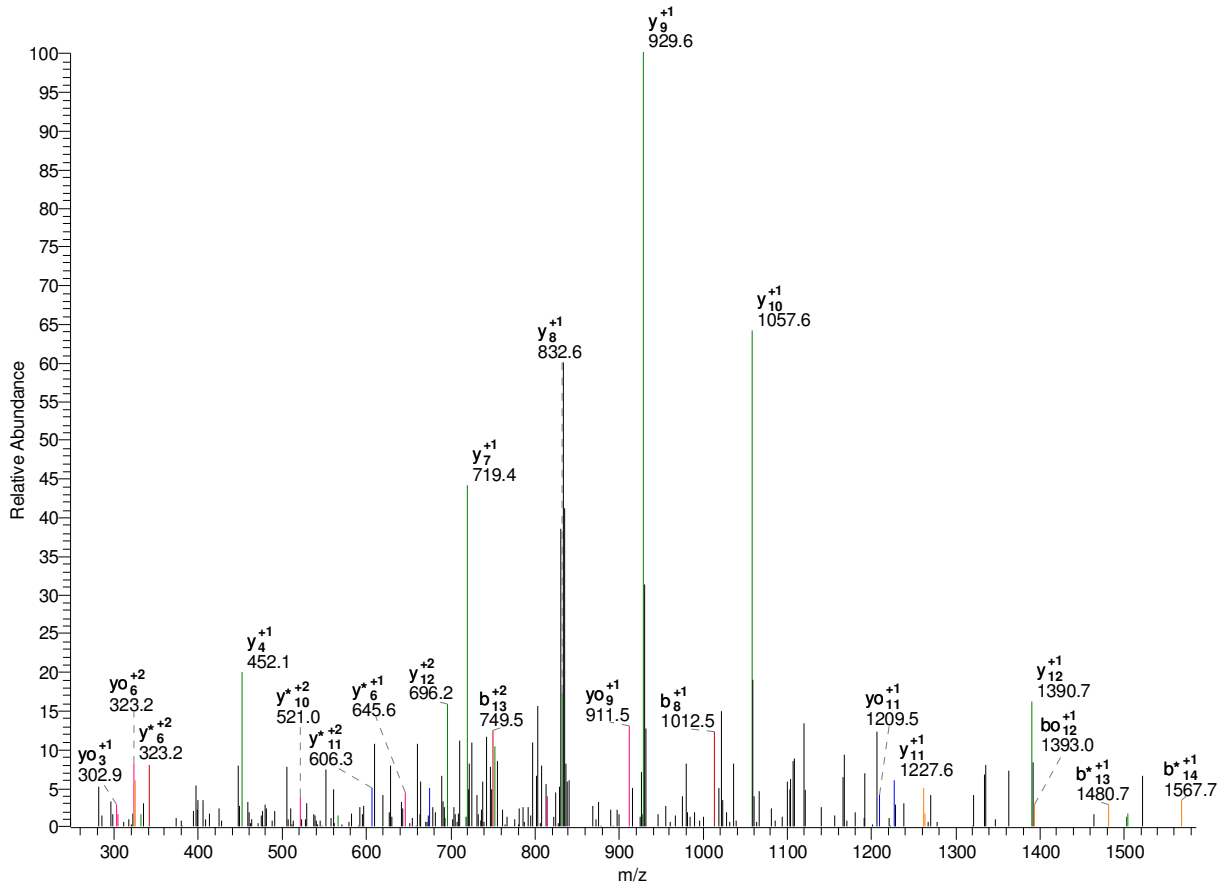
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	13
2	K	243.15	226.12	225.13	1513.76	1496.74	1495.75	12
3	N	357.19	340.16	339.18	1385.67	1368.64	1367.66	11
4	E	486.23	469.20	468.22	1271.63	1254.60	1253.62	10
5	E	615.27	598.25	597.26	1142.58	1125.56	1124.57	9
6	H	752.33	735.31	734.32	1013.54	996.51	995.53	8
7	T	853.38	836.35	835.37	876.48	859.46	858.47	7
8	K*	1023.49	1006.46	1005.47	775.43	758.41	757.42	6
9	F	1170.55	1153.53	1152.54	605.33	588.30	587.32	5
10	L	1283.64	1266.61	1265.63	458.26	441.23	440.25	4
11	T	1384.69	1367.66	1366.67	345.18	328.15	327.17	3
12	P	1481.74	1464.71	1463.73	244.13	227.10	226.12	2
13	Q	-	-	-	147.08	130.05	129.07	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	13
2	K	122.08	113.56	113.07	757.39	748.87	748.38	12
3	N	179.10	170.58	170.09	693.34	684.83	684.33	11
4	E	243.62	235.11	234.61	636.32	627.80	627.31	10
5	E	308.14	299.63	299.13	571.80	563.28	562.79	9
6	H	376.67	368.16	367.66	507.27	498.76	498.27	8
7	T	427.19	418.68	418.19	438.74	430.23	429.74	7

8	K*	512.25	503.73	503.24	388.22	379.71	379.22	6
9	F	585.78	577.27	576.78	303.17	294.66	294.16	5
10	L	642.32	633.81	633.32	229.63	221.12	220.63	4
11	T	692.85	684.33	683.84	173.09	164.58	164.09	3
12	P	741.37	732.86	732.37	122.57	114.05	113.56	2
13	Q	-	-	-	74.04	65.53	65.04	1

-

1730.99 R.NLIYK*KPIGPIMSSK.D
 psu|PF13_0234 | organism=Plasmodium_falci-parum_3D7 | product=phosphoenolpyruvate
 carboxykinase | lo 27 - 42
 #4333-4333 NL: 8.26E1



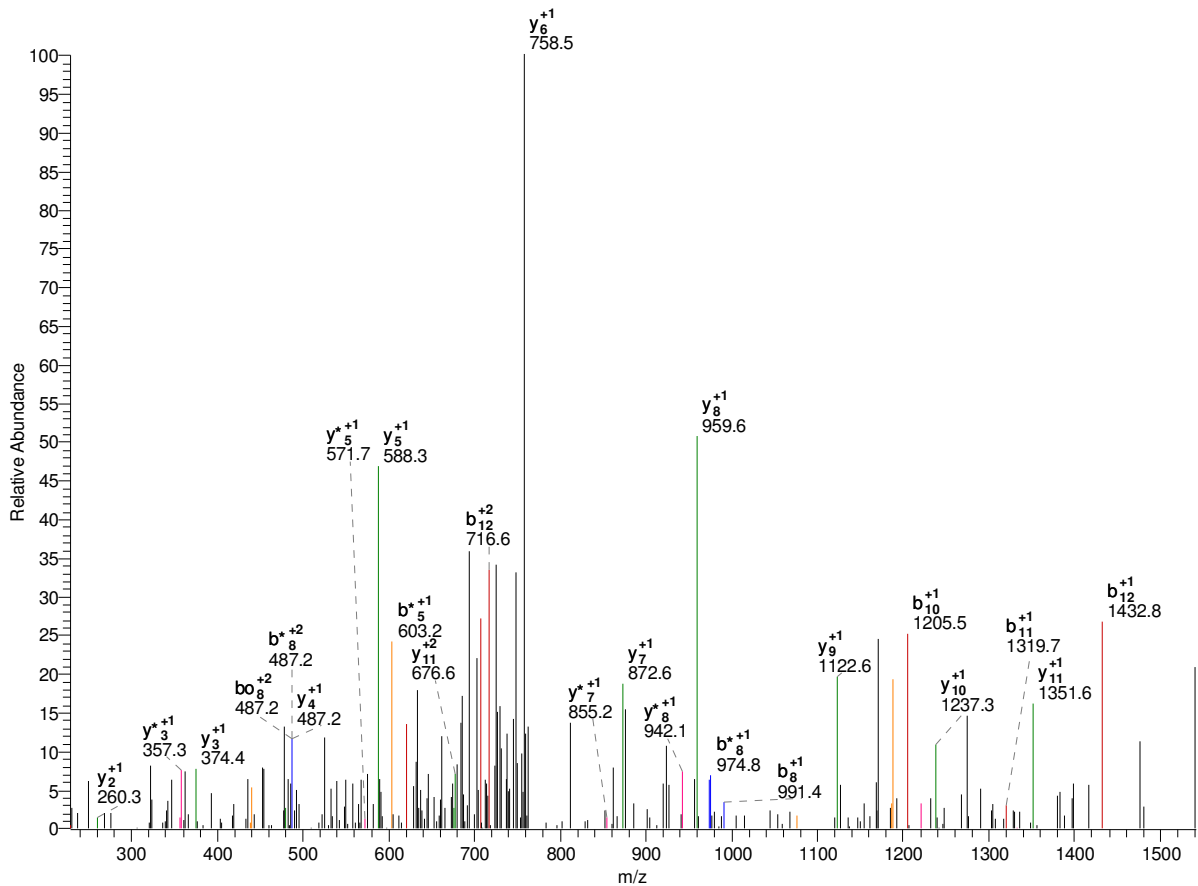
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	15
2	L	228.13	211.11	210.12	1616.94	1599.92	1598.93	14
3	I	341.22	324.19	323.21	1503.86	1486.83	1485.85	13
4	Y	504.28	487.26	486.27	1390.78	1373.75	1372.77	12
5	K*	674.39	657.36	656.38	1227.71	1210.69	1209.70	11
6	K	802.48	785.46	784.47	1057.61	1040.58	1039.60	10
7	P	899.53	882.51	881.52	929.51	912.49	911.50	9
8	I	1012.62	995.59	994.61	832.46	815.43	814.45	8
9	G	1069.64	1052.61	1051.63	719.38	702.35	701.37	7
10	P	1166.69	1149.67	1148.68	662.35	645.33	644.34	6
11	I	1279.78	1262.75	1261.77	565.30	548.27	547.29	5
12	M	1410.82	1393.79	1392.81	452.22	435.19	434.21	4
13	S	1497.85	1480.82	1479.84	321.18	304.15	303.17	3
14	S	1584.88	1567.86	1566.87	234.14	217.12	216.13	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	15
2	L	114.57	106.06	105.57	808.98	800.46	799.97	14
3	I	171.11	162.60	162.11	752.43	743.92	743.43	13
4	Y	252.64	244.13	243.64	695.89	687.38	686.89	12
5	K*	337.70	329.18	328.69	614.36	605.85	605.35	11

6	K	401.74	393.23	392.74	529.31	520.79	520.30	10
7	P	450.27	441.76	441.27	465.26	456.75	456.25	9
8	I	506.81	498.30	497.81	416.73	408.22	407.73	8
9	G	535.32	526.81	526.32	360.19	351.68	351.19	7
10	P	583.85	575.34	574.84	331.68	323.17	322.68	6
11	I	640.39	631.88	631.39	283.15	274.64	274.15	5
12	M	705.91	697.40	696.91	226.61	218.10	217.61	4
13	S	749.43	740.92	740.42	161.09	152.58	152.09	3
14	S	792.94	784.43	783.94	117.58	109.06	108.57	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1578.81 K.NLNDYSNK*TLNIK.N
 psu|PF10_0361 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 213 - 226
 #3053-3053 NL: 6.77E1



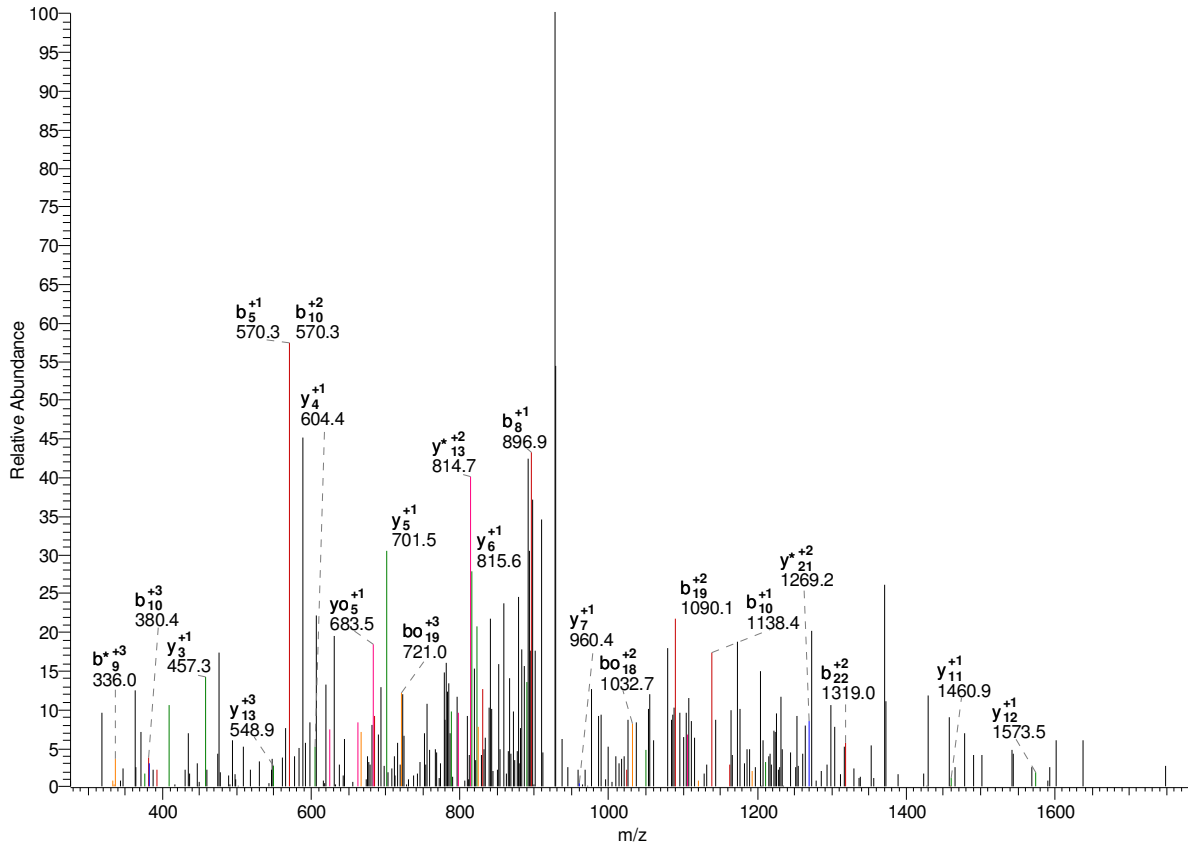
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	13
2	L	228.13	211.11	210.12	1464.77	1447.74	1446.76	12
3	N	342.18	325.15	324.17	1351.69	1334.66	1333.67	11
4	D	457.20	440.18	439.19	1237.64	1220.62	1219.63	10
5	Y	620.27	603.24	602.26	1122.62	1105.59	1104.60	9
6	S	707.30	690.27	689.29	959.55	942.53	941.54	8
7	N	821.34	804.32	803.33	872.52	855.49	854.51	7
8	K*	991.45	974.42	973.44	758.48	741.45	740.47	6
9	T	1092.50	1075.47	1074.49	588.37	571.34	570.36	5
10	L	1205.58	1188.55	1187.57	487.32	470.30	469.31	4
11	N	1319.62	1302.60	1301.61	374.24	357.21	356.23	3
12	I	1432.71	1415.68	1414.70	260.20	243.17	242.19	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	13
2	L	114.57	106.06	105.57	732.89	724.38	723.88	12
3	N	171.59	163.08	162.59	676.35	667.83	667.34	11
4	D	229.11	220.59	220.10	619.32	610.81	610.32	10
5	Y	310.64	302.12	301.63	561.81	553.30	552.81	9
6	S	354.15	345.64	345.15	480.28	471.77	471.27	8
7	N	411.17	402.66	402.17	436.76	428.25	427.76	7

8	K*	496.23	487.71	487.22	379.74	371.23	370.74	6
9	T	546.75	538.24	537.75	294.69	286.18	285.68	5
10	L	603.29	594.78	594.29	244.17	235.65	235.16	4
11	N	660.31	651.80	651.31	187.62	179.11	178.62	3
12	I	716.86	708.34	707.85	130.60	122.09	121.60	2
13	K	-	-	-	74.06	65.55	65.05	1

-

2782.41 K.NNK*GNNVLKNALHISYM#NPFYFK.K
 psu|PF14_0282 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 1174 - 1197
 #7050-7050 NL: 5.94E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	23
2	N	229.09	212.07	211.08	2668.37	2651.34	2650.36	22
3	K*	399.20	382.17	381.19	2554.33	2537.30	2536.32	21
4	G	456.22	439.19	438.21	2384.22	2367.20	2366.21	20
5	N	570.26	553.24	552.25	2327.20	2310.17	2309.19	19
6	N	684.31	667.28	666.30	2213.16	2196.13	2195.15	18
7	V	783.37	766.35	765.36	2099.11	2082.09	2081.10	17
8	L	896.46	879.43	878.45	2000.05	1983.02	1982.04	16
9	K	1024.55	1007.53	1006.54	1886.96	1869.94	1868.95	15
10	N	1138.60	1121.57	1120.59	1758.87	1741.84	1740.86	14
11	A	1209.63	1192.61	1191.62	1644.82	1627.80	1626.81	13
12	L	1322.72	1305.69	1304.71	1573.79	1556.76	1555.78	12
13	H	1459.78	1442.75	1441.77	1460.70	1443.68	1442.69	11
14	I	1572.86	1555.83	1554.85	1323.64	1306.62	1305.63	10
15	S	1659.89	1642.87	1641.88	1210.56	1193.53	1192.55	9
16	Y	1822.96	1805.93	1804.95	1123.53	1106.50	1105.52	8
17	M#	1968.01	1950.99	1950.00	960.46	943.44	942.45	7
18	N	2082.05	2065.03	2064.04	815.41	798.38	797.40	6
19	P	2179.11	2162.08	2161.10	701.37	684.34	683.36	5
20	F	2326.18	2309.15	2308.17	604.31	587.29	586.30	4
21	Y	2489.24	2472.21	2471.23	457.24	440.22	439.23	3
22	F	2636.31	2619.28	2618.30	294.18	277.15	276.17	2

23	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

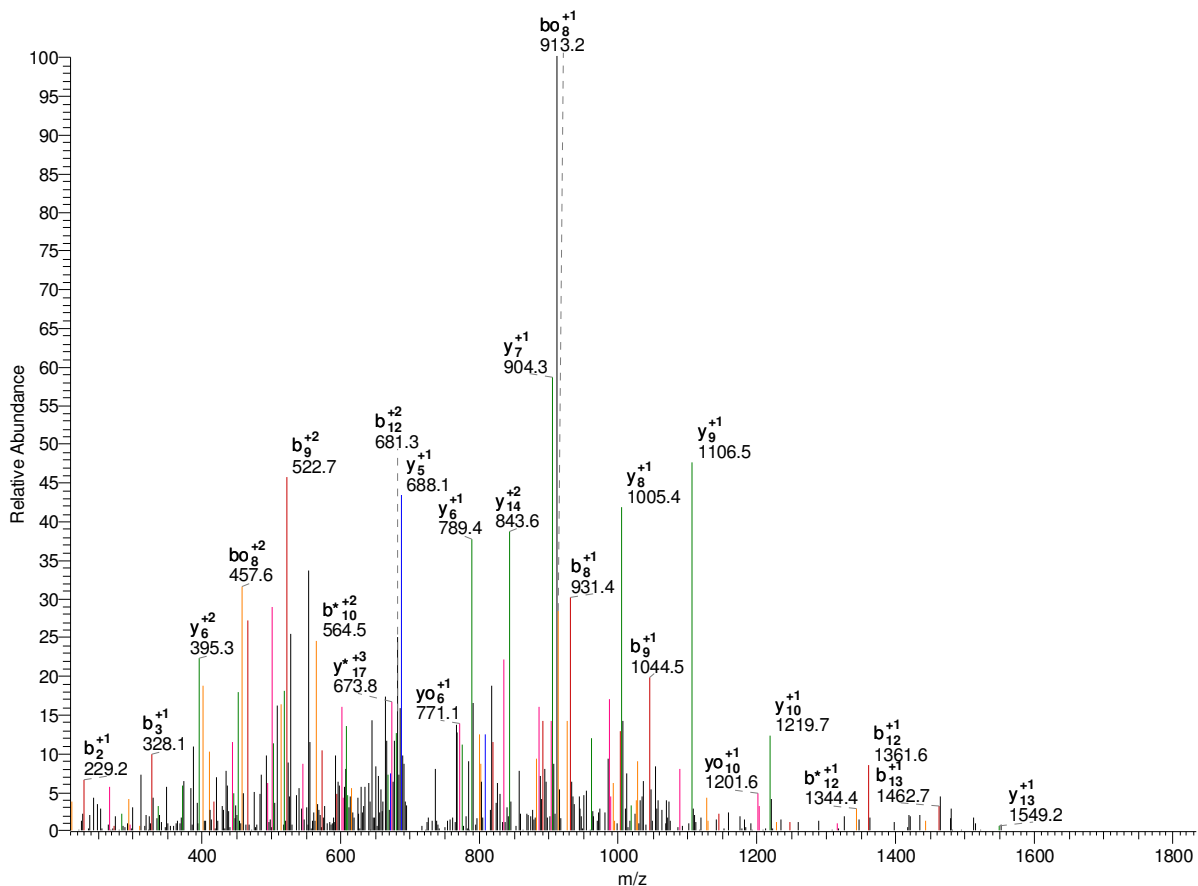
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	23
2	N	115.05	106.54	106.04	1334.69	1326.18	1325.68	22
3	K*	200.10	191.59	191.10	1277.67	1269.15	1268.66	21
4	G	228.61	220.10	219.61	1192.61	1184.10	1183.61	20
5	N	285.64	277.12	276.63	1164.10	1155.59	1155.10	19
6	N	342.66	334.14	333.65	1107.08	1098.57	1098.08	18
7	V	392.19	383.68	383.19	1050.06	1041.55	1041.06	17
8	L	448.73	440.22	439.73	1000.53	992.01	991.52	16
9	K	512.78	504.27	503.78	943.98	935.47	934.98	15
10	N	569.80	561.29	560.80	879.94	871.42	870.93	14
11	A	605.32	596.81	596.32	822.92	814.40	813.91	13
12	L	661.86	653.35	652.86	787.40	778.88	778.39	12
13	H	730.39	721.88	721.39	730.86	722.34	721.85	11
14	I	786.93	778.42	777.93	662.33	653.81	653.32	10
15	S	830.45	821.94	821.44	605.78	597.27	596.78	9
16	Y	911.98	903.47	902.98	562.27	553.75	553.26	8
17	M#	984.51	976.00	975.50	480.74	472.22	471.73	7
18	N	1041.53	1033.02	1032.53	408.21	399.69	399.20	6
19	P	1090.06	1081.54	1081.05	351.19	342.67	342.18	5
20	F	1163.59	1155.08	1154.59	302.66	294.15	293.65	4
21	Y	1245.12	1236.61	1236.12	229.13	220.61	220.12	3
22	F	1318.66	1310.14	1309.65	147.59	139.08	138.59	2
23	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	23
2	N	77.04	71.36	71.03	890.13	884.45	884.12	22
3	K*	133.74	128.06	127.73	852.11	846.44	846.11	21
4	G	152.74	147.07	146.74	795.41	789.74	789.41	20
5	N	190.76	185.08	184.76	776.41	770.73	770.40	19
6	N	228.77	223.10	222.77	738.39	732.72	732.39	18
7	V	261.80	256.12	255.79	700.38	694.70	694.37	17
8	L	299.49	293.82	293.49	667.35	661.68	661.35	16
9	K	342.19	336.51	336.19	629.66	623.98	623.66	15
10	N	380.20	374.53	374.20	586.96	581.29	580.96	14
11	A	403.88	398.21	397.88	548.95	543.27	542.94	13
12	L	441.58	435.90	435.57	525.27	519.59	519.26	12
13	H	487.26	481.59	481.26	487.57	481.90	481.57	11
14	I	524.96	519.28	518.95	441.89	436.21	435.88	10
15	S	553.97	548.29	547.97	404.19	398.52	398.19	9
16	Y	608.32	602.65	602.32	375.18	369.51	369.18	8
17	M#	656.68	651.00	650.67	320.83	315.15	314.82	7
18	N	694.69	689.01	688.69	272.47	266.80	266.47	6
19	P	727.04	721.37	721.04	234.46	228.78	228.46	5
20	F	776.06	770.39	770.06	202.11	196.43	196.11	4
21	Y	830.42	824.74	824.41	153.09	147.41	147.08	3
22	F	879.44	873.77	873.44	98.73	93.06	92.73	2
23	K	-	-	-	49.71	44.03	43.71	1

-

2150.06 R.NNVHHDILTDTK*FSHK.E or R.NNVHHDILTDTKFSHK*.E
 psu|PF11570c | organism=Plasmodium_falciparum_3D7 | product=aminopeptidase, putative |
 location=MAL 196 - 214
 #2470-2470 NL: 1.81E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	18
2	N	229.09	212.07	211.08	2036.02	2018.99	2018.01	17
3	V	328.16	311.13	310.15	1921.98	1904.95	1903.97	16
4	H	465.22	448.19	447.21	1822.91	1805.88	1804.90	15
5	H	602.28	585.25	584.27	1685.85	1668.82	1667.84	14
6	D	717.31	700.28	699.30	1548.79	1531.76	1530.78	13
7	T	818.35	801.33	800.34	1433.76	1416.74	1415.75	12
8	I	931.44	914.41	913.43	1332.72	1315.69	1314.71	11
9	L	1044.52	1027.50	1026.51	1219.63	1202.61	1201.62	10
10	T	1145.57	1128.54	1127.56	1106.55	1089.52	1088.54	9
11	T	1246.62	1229.59	1228.61	1005.50	988.47	987.49	8
12	D	1361.64	1344.62	1343.63	904.45	887.43	886.44	7
13	T	1462.69	1445.67	1444.68	789.43	772.40	771.41	6
14	K*	1632.80	1615.77	1614.79	688.38	671.35	670.37	5
15	F	1779.87	1762.84	1761.86	518.27	501.25	500.26	4
16	S	1866.90	1849.87	1848.89	371.20	354.18	353.19	3
17	H	2003.96	1986.93	1985.95	284.17	267.15	266.16	2
18	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	18
2	N	115.05	106.54	106.04	1018.51	1010.00	1009.51	17

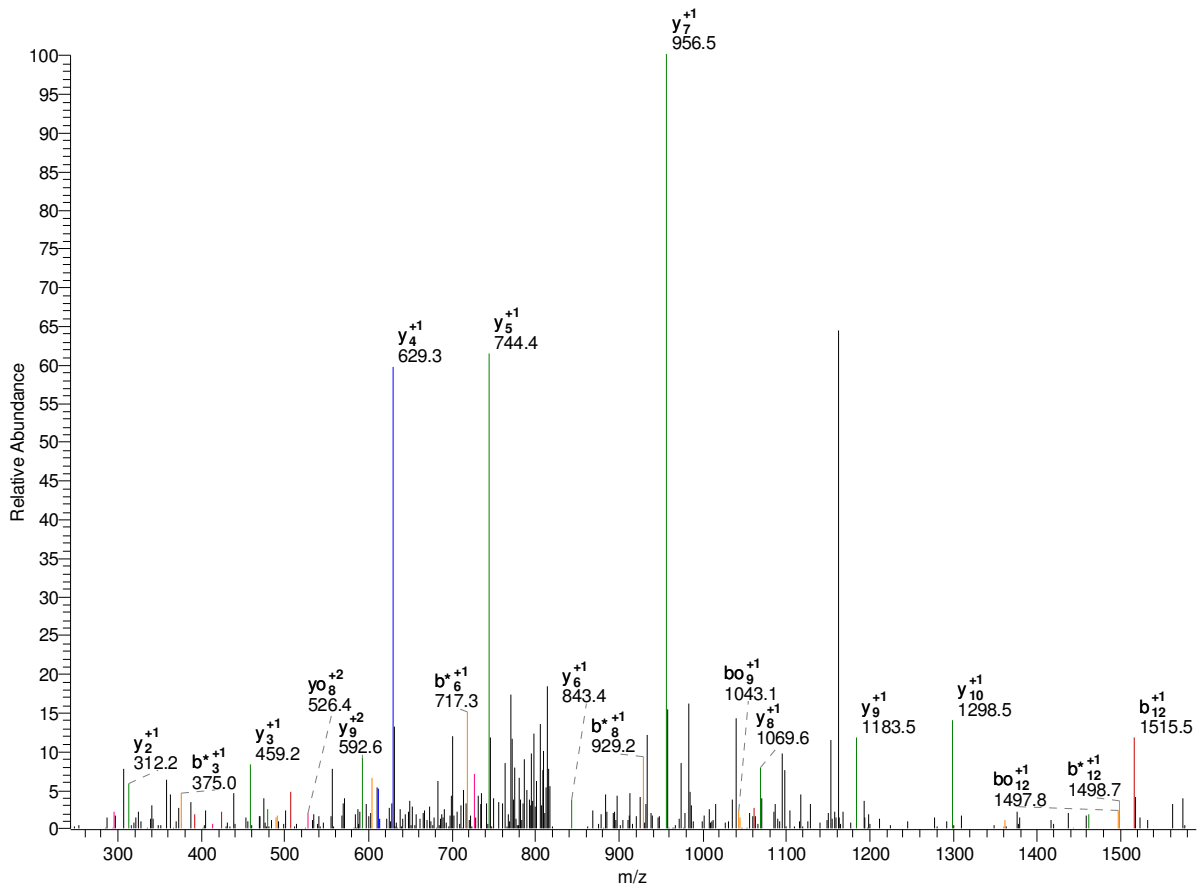
3	V	164.58	156.07	155.58	961.49	952.98	952.49	16
4	H	233.11	224.60	224.11	911.96	903.44	902.95	15
5	H	301.64	293.13	292.64	843.43	834.92	834.42	14
6	D	359.16	350.64	350.15	774.90	766.39	765.89	13
7	T	409.68	401.17	400.68	717.39	708.87	708.38	12
8	I	466.22	457.71	457.22	666.86	658.35	657.86	11
9	L	522.76	514.25	513.76	610.32	601.81	601.31	10
10	T	573.29	564.78	564.28	553.78	545.26	544.77	9
11	T	623.81	615.30	614.81	503.25	494.74	494.25	8
12	D	681.33	672.81	672.32	452.73	444.22	443.72	7
13	T	731.85	723.34	722.84	395.22	386.70	386.21	6
14	K*	816.90	808.39	807.90	344.69	336.18	335.69	5
15	F	890.44	881.92	881.43	259.64	251.13	250.63	4
16	S	933.95	925.44	924.95	186.11	177.59	177.10	3
17	H	1002.48	993.97	993.48	142.59	134.08	133.58	2
18	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	18
2	N	77.04	71.36	71.03	679.34	673.67	673.34	17
3	V	110.06	104.38	104.06	641.33	635.65	635.33	16
4	H	155.75	150.07	149.74	608.31	602.63	602.30	15
5	H	201.43	195.76	195.43	562.62	556.95	556.62	14
6	D	239.77	234.10	233.77	516.93	511.26	510.93	13
7	T	273.46	267.78	267.45	478.59	472.92	472.59	12
8	I	311.15	305.48	305.15	444.91	439.23	438.91	11
9	L	348.85	343.17	342.84	407.22	401.54	401.21	10
10	T	382.53	376.85	376.52	369.52	363.85	363.52	9
11	T	416.21	410.54	410.21	335.84	330.16	329.83	8
12	D	454.55	448.88	448.55	302.16	296.48	296.15	7
13	T	488.24	482.56	482.23	263.81	258.14	257.81	6
14	K*	544.94	539.26	538.93	230.13	224.46	224.13	5
15	F	593.96	588.28	587.96	173.43	167.75	167.43	4
16	S	622.97	617.30	616.97	124.41	118.73	118.40	3
17	H	668.66	662.98	662.65	95.40	89.72	89.39	2
18	K	-	-	-	49.71	44.03	43.71	1

-

1689.83 R.NNYDNILVDK*FHR.S
 psu|PF11_0506 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 328 - 341
 #6023-6023 NL: 1.76E2



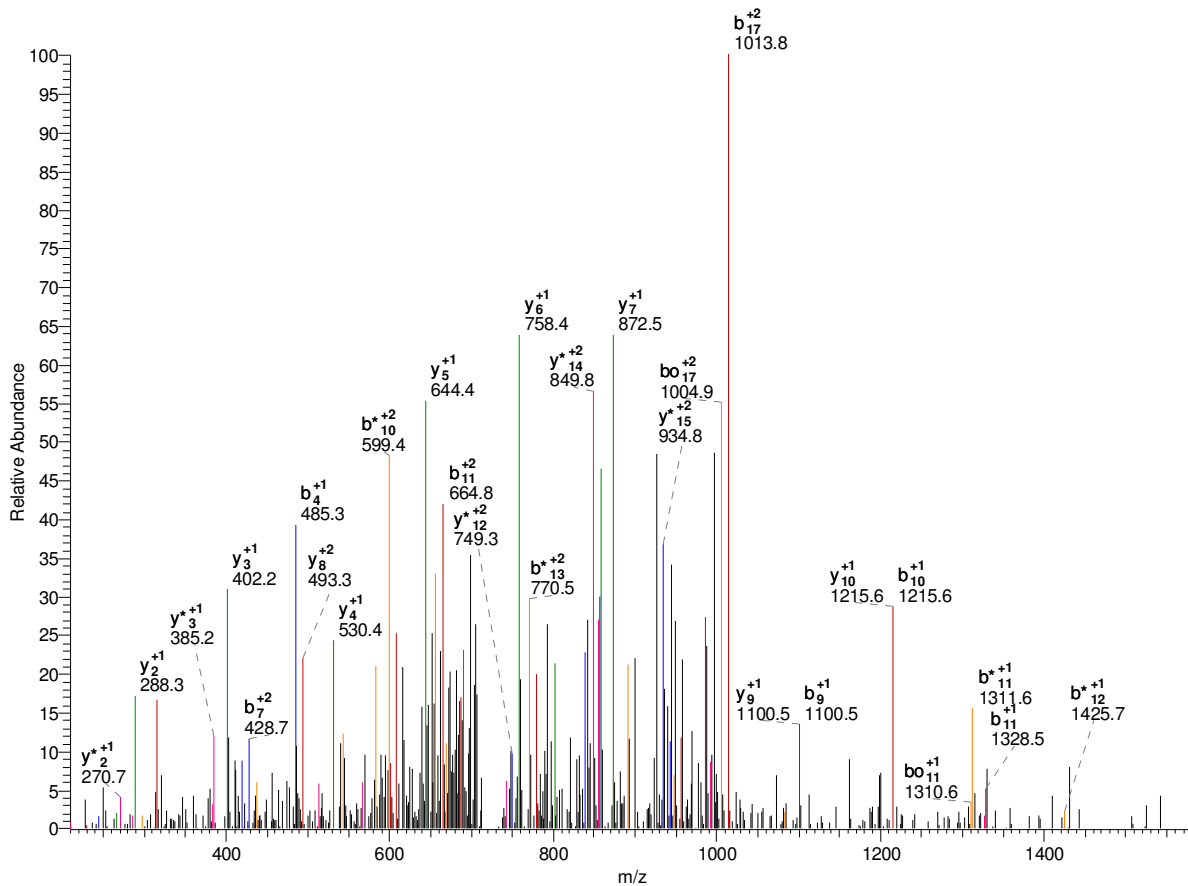
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	13
2	N	229.09	212.07	211.08	1575.79	1558.76	1557.78	12
3	Y	392.16	375.13	374.15	1461.75	1444.72	1443.74	11
4	D	507.18	490.16	489.17	1298.69	1281.66	1280.67	10
5	N	621.23	604.20	603.22	1183.66	1166.63	1165.65	9
6	I	734.31	717.28	716.30	1069.62	1052.59	1051.60	8
7	L	847.39	830.37	829.38	956.53	939.50	938.52	7
8	V	946.46	929.44	928.45	843.45	826.42	825.44	6
9	D	1061.49	1044.46	1043.48	744.38	727.35	726.37	5
10	K*	1231.60	1214.57	1213.58	629.35	612.33	611.34	4
11	F	1378.66	1361.64	1360.65	459.25	442.22	441.24	3
12	H	1515.72	1498.70	1497.71	312.18	295.15	294.17	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	13
2	N	115.05	106.54	106.04	788.40	779.89	779.39	12
3	Y	196.58	188.07	187.58	731.38	722.86	722.37	11
4	D	254.10	245.58	245.09	649.85	641.33	640.84	10
5	N	311.12	302.60	302.11	592.33	583.82	583.33	9
6	I	367.66	359.15	358.65	535.31	526.80	526.31	8
7	L	424.20	415.69	415.20	478.77	470.26	469.76	7

8	V	473.74	465.22	464.73	422.23	413.71	413.22	6
9	D	531.25	522.74	522.24	372.69	364.18	363.69	5
10	K*	616.30	607.79	607.30	315.18	306.67	306.17	4
11	F	689.84	681.32	680.83	230.13	221.61	221.12	3
12	H	758.36	749.85	749.36	156.59	148.08	147.59	2
13	R	-	-	-	88.06	79.55	79.06	1

-

2200.06 K.NSLK*NSK*EDDLNNQNL.R.S
 psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 1789 - 1807
 #3242-3242 NL: 1.20E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	18
2	S	202.08	185.06	184.07	2086.02	2068.99	2068.01	17
3	L	315.17	298.14	297.16	1998.98	1981.96	1980.97	16
4	K*	485.27	468.25	467.26	1885.90	1868.87	1867.89	15
5	N	599.31	582.29	581.30	1715.79	1698.77	1697.78	14
6	S	686.35	669.32	668.34	1601.75	1584.72	1583.74	13
7	K*	856.45	839.43	838.44	1514.72	1497.69	1496.71	12
8	E	985.49	968.47	967.48	1344.61	1327.59	1326.60	11
9	D	1100.52	1083.50	1082.51	1215.57	1198.54	1197.56	10
10	D	1215.55	1198.52	1197.54	1100.54	1083.52	1082.53	9
11	L	1328.63	1311.61	1310.62	985.52	968.49	967.51	8
12	N	1442.68	1425.65	1424.67	872.43	855.41	854.42	7
13	N	1556.72	1539.69	1538.71	758.39	741.36	740.38	6
14	N	1670.76	1653.74	1652.75	644.35	627.32	626.34	5
15	Q	1798.82	1781.79	1780.81	530.30	513.28	512.29	4
16	N	1912.86	1895.84	1894.85	402.25	385.22	384.24	3
17	L	2025.95	2008.92	2007.94	288.20	271.18	270.19	2
18	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	18
2	S	101.54	93.03	92.54	1043.51	1035.00	1034.51	17

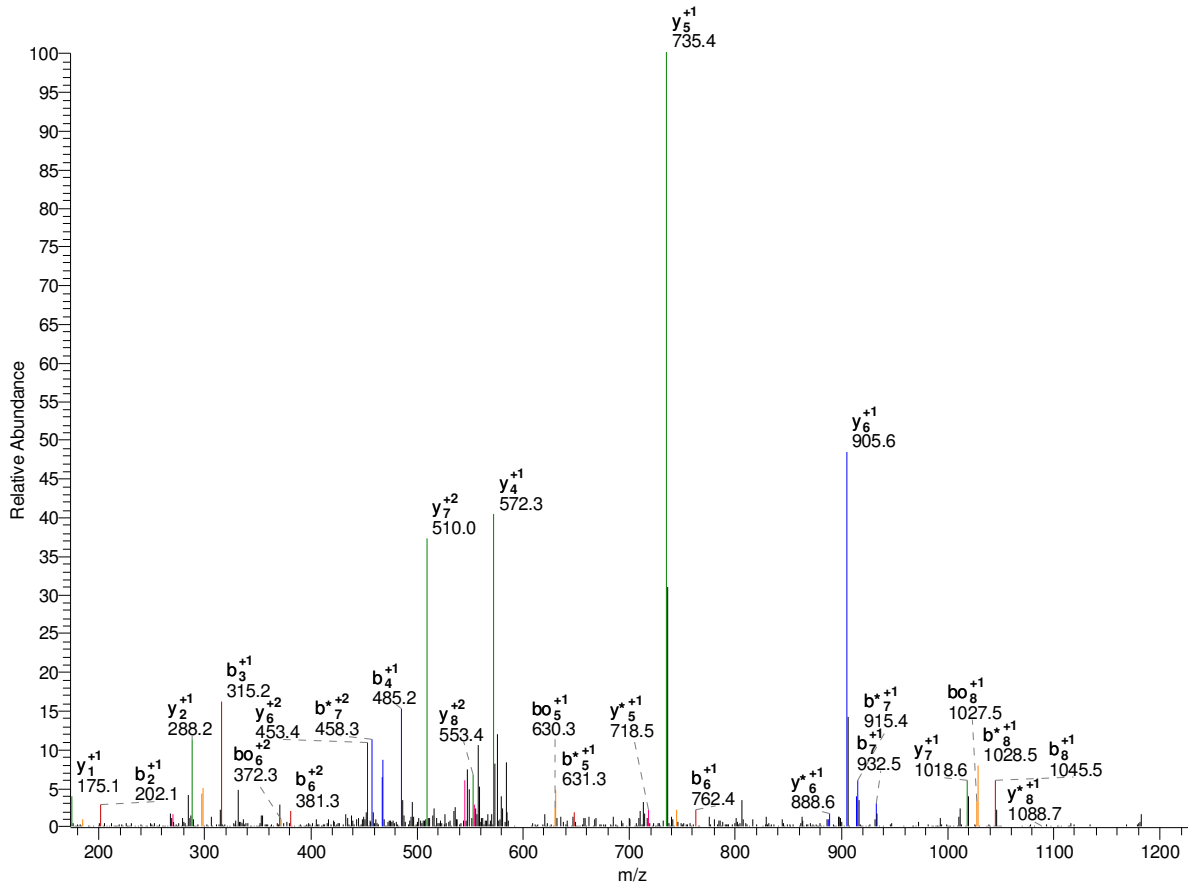
3	L	158.09	149.57	149.08	1000.00	991.48	990.99	16
4	K*	243.14	234.63	234.13	943.45	934.94	934.45	15
5	N	300.16	291.65	291.16	858.40	849.89	849.40	14
6	S	343.68	335.16	334.67	801.38	792.87	792.37	13
7	K*	428.73	420.22	419.72	757.86	749.35	748.86	12
8	E	493.25	484.74	484.25	672.81	664.30	663.81	11
9	D	550.76	542.25	541.76	608.29	599.78	599.28	10
10	D	608.28	599.76	599.27	550.78	542.26	541.77	9
11	L	664.82	656.31	655.81	493.26	484.75	484.26	8
12	N	721.84	713.33	712.84	436.72	428.21	427.72	7
13	N	778.86	770.35	769.86	379.70	371.19	370.69	6
14	N	835.88	827.37	826.88	322.68	314.16	313.67	5
15	Q	899.91	891.40	890.91	265.66	257.14	256.65	4
16	N	956.94	948.42	947.93	201.63	193.11	192.62	3
17	L	1013.48	1004.96	1004.47	144.61	136.09	135.60	2
18	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	18
2	S	68.03	62.36	62.03	696.01	690.33	690.01	17
3	L	105.73	100.05	99.72	667.00	661.32	661.00	16
4	K*	162.43	156.75	156.43	629.30	623.63	623.30	15
5	N	200.44	194.77	194.44	572.60	566.93	566.60	14
6	S	229.45	223.78	223.45	534.59	528.91	528.59	13
7	K*	286.16	280.48	280.15	505.58	499.90	499.57	12
8	E	329.17	323.49	323.17	448.88	443.20	442.87	11
9	D	367.51	361.84	361.51	405.86	400.19	399.86	10
10	D	405.85	400.18	399.85	367.52	361.84	361.52	9
11	L	443.55	437.87	437.55	329.18	323.50	323.17	8
12	N	481.56	475.89	475.56	291.48	285.81	285.48	7
13	N	519.58	513.90	513.57	253.47	247.79	247.46	6
14	N	557.59	551.92	551.59	215.45	209.78	209.45	5
15	Q	600.28	594.60	594.27	177.44	171.76	171.44	4
16	N	638.29	632.62	632.29	134.75	129.08	128.75	3
17	L	675.99	670.31	669.98	96.74	91.06	90.74	2
18	R	-	-	-	59.04	53.37	53.04	1

-

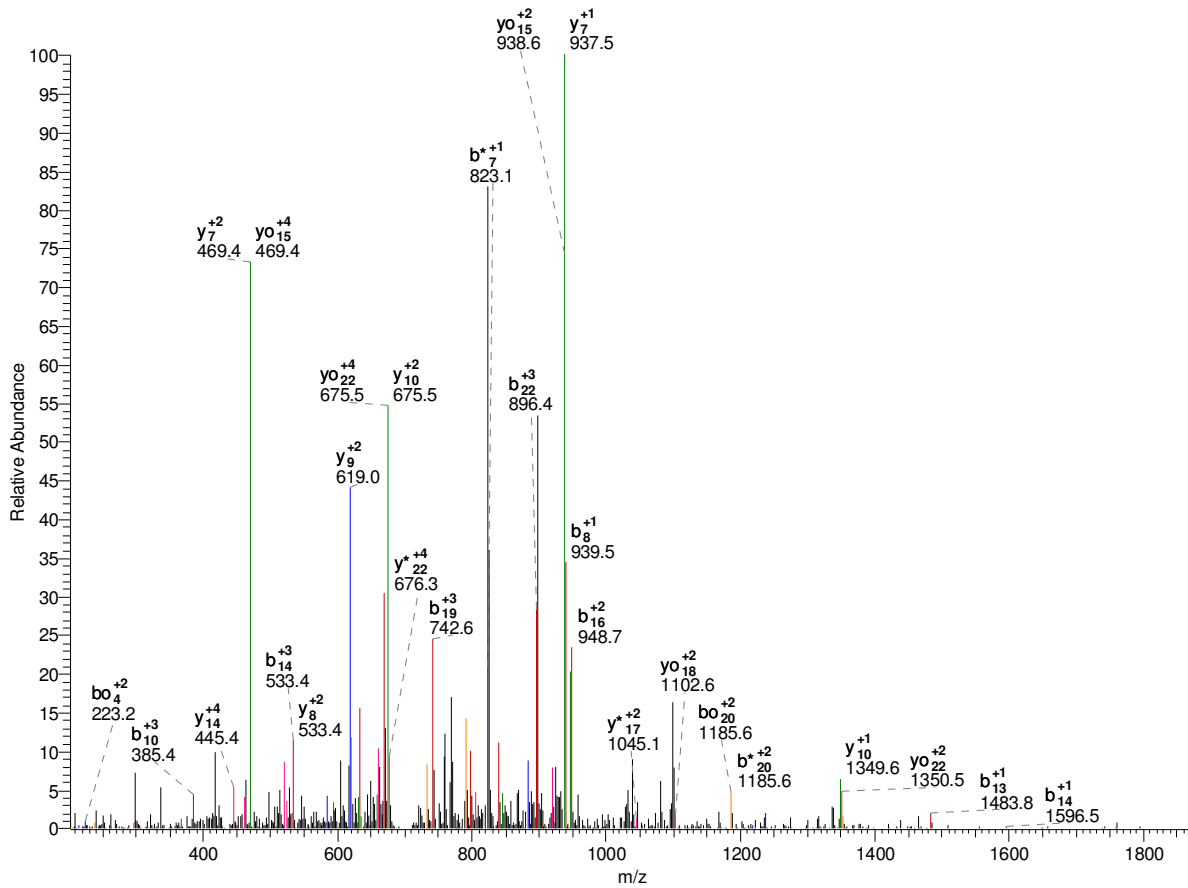
1219.68 K.NSLK*YNK*IR.N
 psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 4308 - 431
 #2526-2526 NL: 2.27E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	9
2	S	202.08	185.06	184.07	1105.64	1088.61	1087.63	8
3	L	315.17	298.14	297.16	1018.60	1001.58	1000.59	7
4	K*	485.27	468.25	467.26	905.52	888.49	887.51	6
5	Y	648.34	631.31	630.32	735.41	718.39	717.40	5
6	N	762.38	745.35	744.37	572.35	555.32	554.34	4
7	K*	932.48	915.46	914.47	458.31	441.28	440.30	3
8	I	1045.57	1028.54	1027.56	288.20	271.18	270.19	2
9	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	9
2	S	101.54	93.03	92.54	553.32	544.81	544.32	8
3	L	158.09	149.57	149.08	509.81	501.29	500.80	7
4	K*	243.14	234.63	234.13	453.26	444.75	444.26	6
5	Y	324.67	316.16	315.67	368.21	359.70	359.21	5
6	N	381.69	373.18	372.69	286.68	278.17	277.67	4
7	K*	466.75	458.23	457.74	229.66	221.14	220.65	3
8	I	523.29	514.77	514.28	144.61	136.09	135.60	2
9	R	-	-	-	88.06	79.55	79.06	1

2832.35 K.NSVYFDNVDVCNLIK*ENNTYK*QK.K
 psu|PF14_0291 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 16 - 39
 #9482-9482 NL: 9.17E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	23
2	S	202.08	185.06	184.07	2718.31	2701.28	2700.30	22
3	V	301.15	284.12	283.14	2631.28	2614.25	2613.27	21
4	Y	464.21	447.19	446.20	2532.21	2515.18	2514.20	20
5	F	611.28	594.26	593.27	2369.14	2352.12	2351.13	19
6	D	726.31	709.28	708.30	2222.08	2205.05	2204.07	18
7	N	840.35	823.33	822.34	2107.05	2090.02	2089.04	17
8	V	939.42	922.39	921.41	1993.01	1975.98	1975.00	16
9	D	1054.45	1037.42	1036.44	1893.94	1876.91	1875.93	15
10	V	1153.52	1136.49	1135.51	1778.91	1761.88	1760.90	14
11	C	1256.53	1239.50	1238.51	1679.84	1662.82	1661.83	13
12	N	1370.57	1353.54	1352.56	1576.83	1559.81	1558.82	12
13	I	1483.65	1466.63	1465.64	1462.79	1445.76	1444.78	11
14	L	1596.74	1579.71	1578.73	1349.71	1332.68	1331.70	10
15	K*	1766.84	1749.82	1748.83	1236.62	1219.60	1218.61	9
16	E	1895.88	1878.86	1877.87	1066.52	1049.49	1048.51	8
17	N	2009.93	1992.90	1991.92	937.47	920.45	919.46	7
18	N	2123.97	2106.94	2105.96	823.43	806.40	805.42	6
19	T	2225.02	2207.99	2207.01	709.39	692.36	691.38	5
20	Y	2388.08	2371.05	2370.07	608.34	591.31	590.33	4
21	K*	2558.19	2541.16	2540.18	445.28	428.25	427.27	3
22	Q	2686.25	2669.22	2668.23	275.17	258.14	257.16	2

23	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	23
2	S	101.54	93.03	92.54	1359.66	1351.14	1350.65	22
3	V	151.08	142.57	142.07	1316.14	1307.63	1307.14	21
4	Y	232.61	224.10	223.61	1266.61	1258.09	1257.60	20
5	F	306.14	297.63	297.14	1185.08	1176.56	1176.07	19
6	D	363.66	355.15	354.65	1111.54	1103.03	1102.54	18
7	N	420.68	412.17	411.67	1054.03	1045.51	1045.02	17
8	V	470.21	461.70	461.21	997.01	988.49	988.00	16
9	D	527.73	519.21	518.72	947.47	938.96	938.47	15
10	V	577.26	568.75	568.26	889.96	881.45	880.95	14
11	C	628.77	620.25	619.76	840.42	831.91	831.42	13
12	N	685.79	677.27	676.78	788.92	780.41	779.91	12
13	I	742.33	733.82	733.32	731.90	723.39	722.89	11
14	L	798.87	790.36	789.87	675.36	666.84	666.35	10
15	K*	883.92	875.41	874.92	618.81	610.30	609.81	9
16	E	948.45	939.93	939.44	533.76	525.25	524.76	8
17	N	1005.47	996.95	996.46	469.24	460.73	460.24	7
18	N	1062.49	1053.98	1053.48	412.22	403.71	403.21	6
19	T	1113.01	1104.50	1104.01	355.20	346.68	346.19	5
20	Y	1194.54	1186.03	1185.54	304.67	296.16	295.67	4
21	K*	1279.60	1271.08	1270.59	223.14	214.63	214.14	3
22	Q	1343.63	1335.11	1334.62	138.09	129.58	129.08	2
23	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	23
2	S	68.03	62.36	62.03	906.77	901.10	900.77	22
3	V	101.06	95.38	95.05	877.76	872.09	871.76	21
4	Y	155.41	149.73	149.41	844.74	839.07	838.74	20
5	F	204.43	198.76	198.43	790.39	784.71	784.38	19
6	D	242.77	237.10	236.77	741.36	735.69	735.36	18
7	N	280.79	275.11	274.79	703.02	697.35	697.02	17
8	V	313.81	308.14	307.81	665.01	659.33	659.00	16
9	D	352.15	346.48	346.15	631.98	626.31	625.98	15
10	V	385.18	379.50	379.17	593.64	587.97	587.64	14
11	C	419.51	413.84	413.51	560.62	554.94	554.62	13
12	N	457.53	451.85	451.52	526.28	520.61	520.28	12
13	I	495.22	489.55	489.22	488.27	482.59	482.26	11
14	L	532.92	527.24	526.91	450.57	444.90	444.57	10
15	K*	589.62	583.94	583.62	412.88	407.20	406.88	9
16	E	632.63	626.96	626.63	356.18	350.50	350.17	8
17	N	670.65	664.97	664.64	313.16	307.49	307.16	7
18	N	708.66	702.99	702.66	275.15	269.47	269.14	6
19	T	742.34	736.67	736.34	237.13	231.46	231.13	5
20	Y	796.70	791.02	790.70	203.45	197.78	197.45	4
21	K*	853.40	847.72	847.40	149.10	143.42	143.09	3
22	Q	896.09	890.41	890.08	92.40	86.72	86.39	2
23	K	-	-	-	49.71	44.03	43.71	1

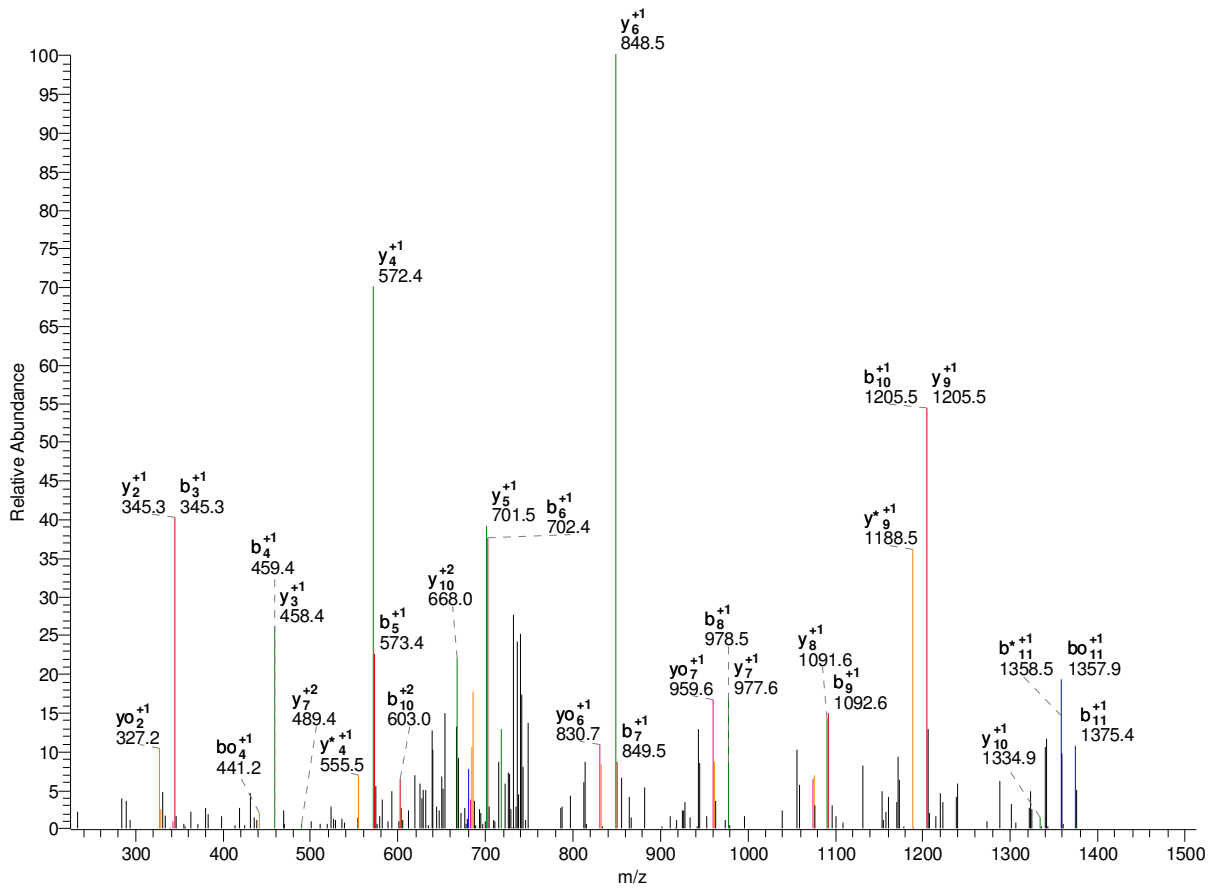
-

+4 Ions		B	B*	B0	Y	Y*	Y0	
1	N	29.52	25.26	25.02	-	-	-	23
2	S	51.28	47.02	46.77	680.33	676.08	675.83	22
3	V	76.04	71.79	71.54	658.57	654.32	654.07	21
4	Y	116.81	112.55	112.31	633.81	629.55	629.30	20

5	F	153.58	149.32	149.07	593.04	588.78	588.54	19
6	D	182.33	178.08	177.83	556.27	552.02	551.77	18
7	N	210.84	206.59	206.34	527.52	523.26	523.02	17
8	V	235.61	231.35	231.11	499.01	494.75	494.50	16
9	D	264.37	260.11	259.86	474.24	469.98	469.74	15
10	V	289.13	284.88	284.63	445.48	441.23	440.98	14
11	C	314.89	310.63	310.38	420.72	416.46	416.21	13
12	N	343.40	339.14	338.89	394.96	390.71	390.46	12
13	I	371.67	367.41	367.17	366.45	362.20	361.95	11
14	L	399.94	395.68	395.44	338.18	333.93	333.68	10
15	K*	442.47	438.21	437.96	309.91	305.65	305.41	9
16	E	474.73	470.47	470.22	267.38	263.13	262.88	8
17	N	503.24	498.98	498.73	235.12	230.87	230.62	7
18	N	531.75	527.49	527.25	206.61	202.36	202.11	6
19	T	557.01	552.75	552.51	178.10	173.85	173.60	5
20	Y	597.78	593.52	593.27	152.84	148.58	148.34	4
21	K*	640.30	636.05	635.80	112.07	107.82	107.57	3
22	Q	672.32	668.06	667.81	69.55	65.29	65.05	2
23	K	-	-	-	37.53	33.28	33.03	1

-

1549.72 K.NTENNEFENIK*R.V
 psu|PF08_0034 | organism=Plasmodium_falciparum_3D7 | product=histone acetyltransferase Gcn5, putati 626 - 638
 #2236-2236 NL: 9.15E1



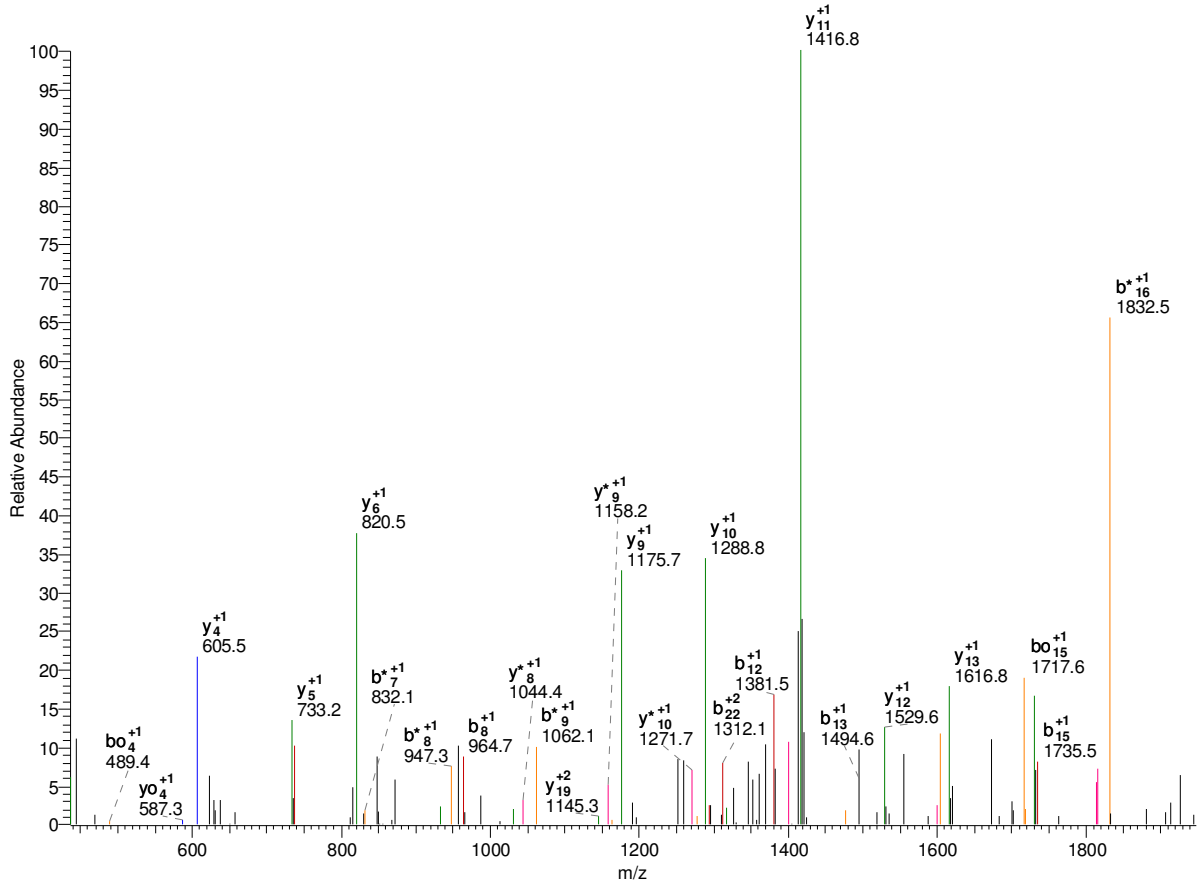
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	12
2	T	216.10	199.07	198.09	1435.68	1418.65	1417.67	11
3	E	345.14	328.11	327.13	1334.63	1317.61	1316.62	10
4	N	459.18	442.16	441.17	1205.59	1188.56	1187.58	9
5	N	573.23	556.20	555.22	1091.55	1074.52	1073.54	8
6	E	702.27	685.24	684.26	977.51	960.48	959.49	7
7	F	849.34	832.31	831.33	848.46	831.44	830.45	6
8	E	978.38	961.35	960.37	701.39	684.37	683.38	5
9	N	1092.42	1075.40	1074.41	572.35	555.32	554.34	4
10	I	1205.51	1188.48	1187.50	458.31	441.28	440.30	3
11	K*	1375.61	1358.59	1357.60	345.22	328.20	327.21	2
12	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	12
2	T	108.55	100.04	99.55	718.34	709.83	709.34	11
3	E	173.07	164.56	164.07	667.82	659.31	658.82	10
4	N	230.10	221.58	221.09	603.30	594.79	594.29	9
5	N	287.12	278.60	278.11	546.28	537.76	537.27	8
6	E	351.64	343.12	342.63	489.26	480.74	480.25	7
7	F	425.17	416.66	416.17	424.73	416.22	415.73	6
8	E	489.69	481.18	480.69	351.20	342.69	342.20	5

9	N	546.72	538.20	537.71	286.68	278.17	277.67	4
10	I	603.26	594.74	594.25	229.66	221.14	220.65	3
11	K*	688.31	679.80	679.30	173.12	164.60	164.11	2
12	R	-	-	-	88.06	79.55	79.06	1

—

2910.39 K.NYDNNDDDTNSIQLNQISQK*FLR.S
 psu|PF10_0361 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 1110 - 1134
 #7476-7476 NL: 5.30E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	24
2	Y	278.11	261.09	260.10	2796.34	2779.32	2778.33	23
3	D	393.14	376.11	375.13	2633.28	2616.25	2615.27	22
4	N	507.18	490.16	489.17	2518.25	2501.23	2500.24	21
5	N	621.23	604.20	603.22	2404.21	2387.18	2386.20	20
6	D	736.25	719.23	718.24	2290.17	2273.14	2272.16	19
7	L	849.34	832.31	831.33	2175.14	2158.11	2157.13	18
8	D	964.36	947.34	946.35	2062.06	2045.03	2044.05	17
9	D	1079.39	1062.36	1061.38	1947.03	1930.00	1929.02	16
10	T	1180.44	1163.41	1162.43	1832.00	1814.98	1813.99	15
11	N	1294.48	1277.46	1276.47	1730.95	1713.93	1712.94	14
12	S	1381.51	1364.49	1363.50	1616.91	1599.89	1598.90	13
13	I	1494.60	1477.57	1476.59	1529.88	1512.85	1511.87	12
14	Q	1622.66	1605.63	1604.65	1416.80	1399.77	1398.79	11
15	L	1735.74	1718.71	1717.73	1288.74	1271.71	1270.73	10
16	N	1849.78	1832.76	1831.77	1175.65	1158.63	1157.64	9
17	Q	1977.84	1960.82	1959.83	1061.61	1044.58	1043.60	8
18	I	2090.93	2073.90	2072.92	933.55	916.53	915.54	7
19	S	2177.96	2160.93	2159.95	820.47	803.44	802.46	6
20	Q	2306.02	2288.99	2288.01	733.44	716.41	715.42	5
21	K*	2476.12	2459.10	2458.11	605.38	588.35	587.37	4
22	F	2623.19	2606.16	2605.18	435.27	418.24	417.26	3

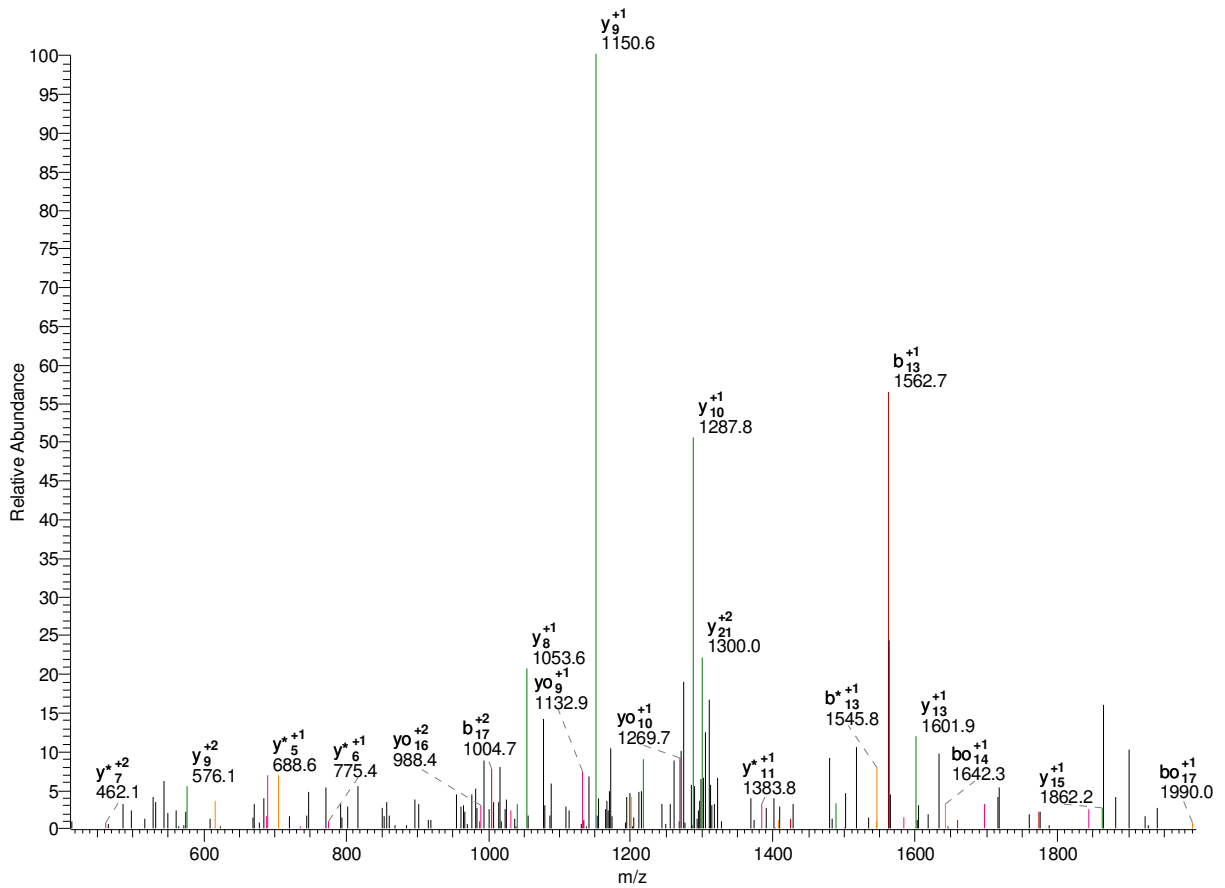
23	L	2736.27	2719.25	2718.26	288.20	271.18	270.19	2
24	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	24
2	Y	139.56	131.05	130.56	1398.68	1390.16	1389.67	23
3	D	197.07	188.56	188.07	1317.14	1308.63	1308.14	22
4	N	254.10	245.58	245.09	1259.63	1251.12	1250.62	21
5	N	311.12	302.60	302.11	1202.61	1194.10	1193.60	20
6	D	368.63	360.12	359.62	1145.59	1137.07	1136.58	19
7	L	425.17	416.66	416.17	1088.07	1079.56	1079.07	18
8	D	482.69	474.17	473.68	1031.53	1023.02	1022.53	17
9	D	540.20	531.69	531.19	974.02	965.51	965.01	16
10	T	590.72	582.21	581.72	916.50	907.99	907.50	15
11	N	647.74	639.23	638.74	865.98	857.47	856.98	14
12	S	691.26	682.75	682.26	808.96	800.45	799.95	13
13	I	747.80	739.29	738.80	765.44	756.93	756.44	12
14	Q	811.83	803.32	802.83	708.90	700.39	699.90	11
15	L	868.37	859.86	859.37	644.87	636.36	635.87	10
16	N	925.40	916.88	916.39	588.33	579.82	579.32	9
17	Q	989.42	980.91	980.42	531.31	522.80	522.30	8
18	I	1045.97	1037.45	1036.96	467.28	458.77	458.27	7
19	S	1089.48	1080.97	1080.48	410.74	402.22	401.73	6
20	Q	1153.51	1145.00	1144.51	367.22	358.71	358.22	5
21	K*	1238.56	1230.05	1229.56	303.19	294.68	294.19	4
22	F	1312.10	1303.59	1303.09	218.14	209.63	209.13	3
23	L	1368.64	1360.13	1359.64	144.61	136.09	135.60	2
24	R	-	-	-	88.06	79.55	79.06	1

-

2712.36 K.NYINQSMFLNLSLHPNFSQK*IFK.E
 psu|PFC0545c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 307 - 329
 #9231-9231 NL: 6.80E1

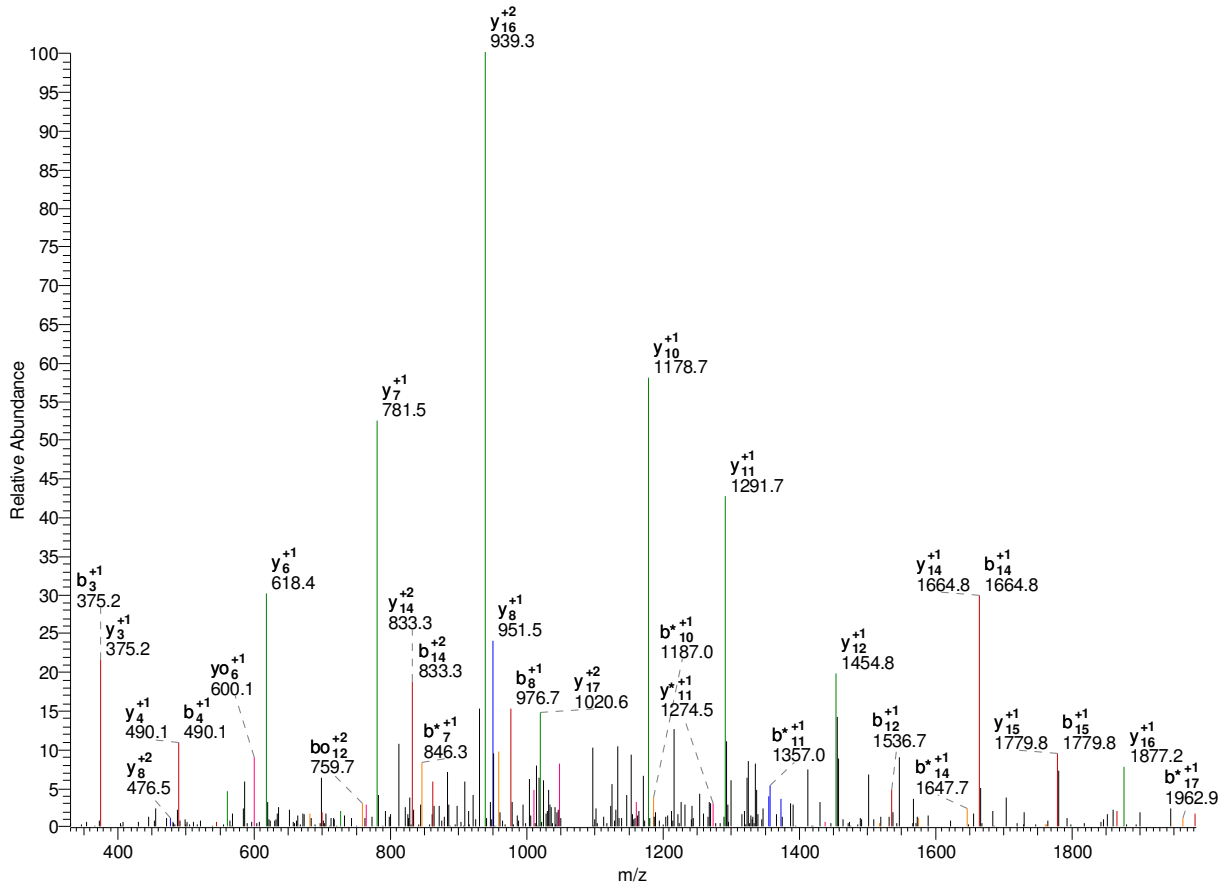


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	22
2	Y	278.11	261.09	260.10	2598.32	2581.29	2580.31	21
3	I	391.20	374.17	373.19	2435.25	2418.23	2417.24	20
4	N	505.24	488.21	487.23	2322.17	2305.14	2304.16	19
5	Q	633.30	616.27	615.29	2208.13	2191.10	2190.12	18
6	S	720.33	703.30	702.32	2080.07	2063.04	2062.06	17
7	M	851.37	834.35	833.36	1993.04	1976.01	1975.03	16
8	F	998.44	981.41	980.43	1862.00	1844.97	1843.99	15
9	L	1111.52	1094.50	1093.51	1714.93	1697.90	1696.92	14
10	N	1225.57	1208.54	1207.56	1601.84	1584.82	1583.83	13
11	S	1312.60	1295.57	1294.59	1487.80	1470.77	1469.79	12
12	L	1425.68	1408.66	1407.67	1400.77	1383.74	1382.76	11
13	H	1562.74	1545.72	1544.73	1287.68	1270.66	1269.67	10
14	P	1659.79	1642.77	1641.78	1150.63	1133.60	1132.61	9
15	N	1773.84	1756.81	1755.83	1053.57	1036.55	1035.56	8
16	F	1920.91	1903.88	1902.90	939.53	922.50	921.52	7
17	S	2007.94	1990.91	1989.93	792.46	775.43	774.45	6
18	Q	2136.00	2118.97	2117.99	705.43	688.40	687.42	5
19	K*	2306.10	2289.08	2288.09	577.37	560.34	559.36	4
20	I	2419.19	2402.16	2401.18	407.27	390.24	389.25	3
21	F	2566.25	2549.23	2548.24	294.18	277.15	276.17	2
22	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	22
2	Y	139.56	131.05	130.56	1299.66	1291.15	1290.66	21
3	I	196.10	187.59	187.10	1218.13	1209.62	1209.13	20
4	N	253.12	244.61	244.12	1161.59	1153.08	1152.58	19
5	Q	317.15	308.64	308.15	1104.57	1096.05	1095.56	18
6	S	360.67	352.16	351.66	1040.54	1032.02	1031.53	17
7	M	426.19	417.68	417.18	997.02	988.51	988.02	16
8	F	499.72	491.21	490.72	931.50	922.99	922.50	15
9	L	556.27	547.75	547.26	857.97	849.45	848.96	14
10	N	613.29	604.77	604.28	801.43	792.91	792.42	13
11	S	656.80	648.29	647.80	744.40	735.89	735.40	12
12	L	713.35	704.83	704.34	700.89	692.37	691.88	11
13	H	781.87	773.36	772.87	644.35	635.83	635.34	10
14	P	830.40	821.89	821.40	575.82	567.30	566.81	9
15	N	887.42	878.91	878.42	527.29	518.78	518.28	8
16	F	960.96	952.44	951.95	470.27	461.76	461.26	7
17	S	1004.47	995.96	995.47	396.73	388.22	387.73	6
18	Q	1068.50	1059.99	1059.50	353.22	344.71	344.21	5
19	K*	1153.55	1145.04	1144.55	289.19	280.68	280.18	4
20	I	1210.10	1201.58	1201.09	204.14	195.62	195.13	3
21	F	1283.63	1275.12	1274.63	147.59	139.08	138.59	2
22	K	-	-	-	74.06	65.55	65.05	1

-

2154.09 K.NYPDPLYILNK*YGADSLR.L
 psu|PF13_0179 | organism=Plasmodium_falciparum_3D7 | product=isoleucine--tRNA ligase,
 putative | lo789 - 807
 #8338-8338 NL: 2.14E2



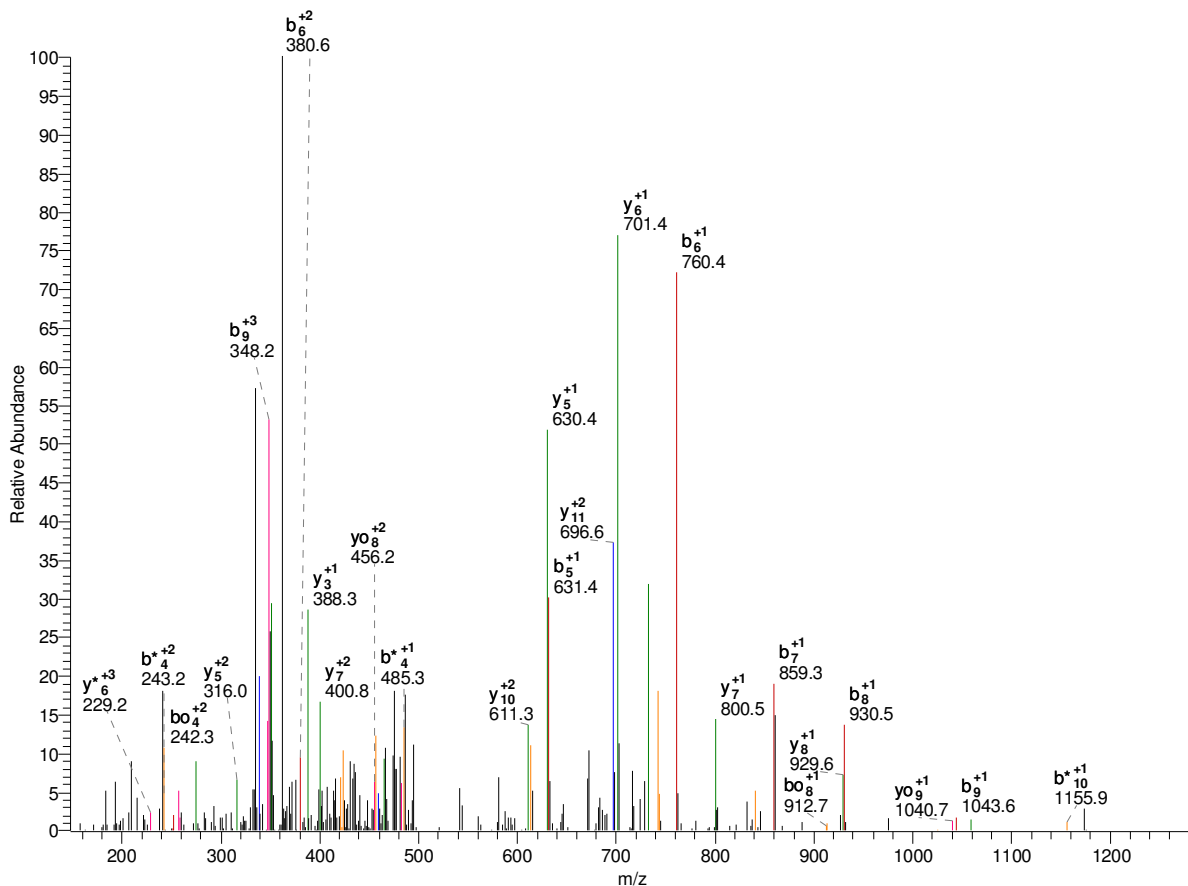
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	18
2	Y	278.11	261.09	260.10	2040.04	2023.02	2022.03	17
3	P	375.17	358.14	357.16	1876.98	1859.95	1858.97	16
4	D	490.19	473.17	472.18	1779.93	1762.90	1761.92	15
5	P	587.25	570.22	569.24	1664.90	1647.87	1646.89	14
6	L	700.33	683.30	682.32	1567.85	1550.82	1549.84	13
7	Y	863.39	846.37	845.38	1454.76	1437.74	1436.75	12
8	I	976.48	959.45	958.47	1291.70	1274.67	1273.69	11
9	L	1089.56	1072.53	1071.55	1178.62	1161.59	1160.61	10
10	N	1203.60	1186.58	1185.59	1065.53	1048.51	1047.52	9
11	K*	1373.71	1356.68	1355.70	951.49	934.46	933.48	8
12	Y	1536.77	1519.75	1518.76	781.38	764.36	763.37	7
13	G	1593.79	1576.77	1575.78	618.32	601.29	600.31	6
14	A	1664.83	1647.81	1646.82	561.30	544.27	543.29	5
15	D	1779.86	1762.83	1761.85	490.26	473.24	472.25	4
16	S	1866.89	1849.86	1848.88	375.24	358.21	357.22	3
17	L	1979.97	1962.95	1961.96	288.20	271.18	270.19	2
18	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	18
2	Y	139.56	131.05	130.56	1020.53	1012.01	1011.52	17

3	P	188.09	179.57	179.08	938.99	930.48	929.99	16
4	D	245.60	237.09	236.59	890.47	881.95	881.46	15
5	P	294.13	285.61	285.12	832.95	824.44	823.95	14
6	L	350.67	342.16	341.66	784.43	775.91	775.42	13
7	Y	432.20	423.69	423.20	727.89	719.37	718.88	12
8	I	488.74	480.23	479.74	646.35	637.84	637.35	11
9	L	545.28	536.77	536.28	589.81	581.30	580.81	10
10	N	602.31	593.79	593.30	533.27	524.76	524.26	9
11	K*	687.36	678.85	678.35	476.25	467.74	467.24	8
12	Y	768.89	760.38	759.89	391.20	382.68	382.19	7
13	G	797.40	788.89	788.40	309.66	301.15	300.66	6
14	A	832.92	824.41	823.91	281.15	272.64	272.15	5
15	D	890.43	881.92	881.43	245.63	237.12	236.63	4
16	S	933.95	925.44	924.94	188.12	179.61	179.12	3
17	L	990.49	981.98	981.49	144.61	136.09	135.60	2
18	R	-	-	-	88.06	79.55	79.06	1

-

1559.87 K.PAK*YEEVALEIKK.A
 psu|PF14_0598 | organism=Plasmodium_falciparum_3D7 | product=glyceraldehyde-3-phosphate dehydrogenase
 254 - 267
 #3844-3844 NL: 1.63E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	P	98.06	81.03	80.05	-	-	-	13
2	A	169.10	152.07	151.09	1462.82	1445.79	1444.80	12
3	K*	339.20	322.18	321.19	1391.78	1374.75	1373.77	11
4	Y	502.27	485.24	484.26	1221.67	1204.65	1203.66	10
5	E	631.31	614.28	613.30	1058.61	1041.58	1040.60	9
6	E	760.35	743.32	742.34	929.57	912.54	911.56	8
7	V	859.42	842.39	841.41	800.52	783.50	782.51	7
8	A	930.46	913.43	912.45	701.46	684.43	683.45	6
9	L	1043.54	1026.51	1025.53	630.42	613.39	612.41	5
10	E	1172.58	1155.56	1154.57	517.33	500.31	499.32	4
11	I	1285.67	1268.64	1267.66	388.29	371.27	370.28	3
12	K	1413.76	1396.74	1395.75	275.21	258.18	257.20	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	P	49.53	41.02	40.53	-	-	-	13
2	A	85.05	76.54	76.05	731.91	723.40	722.91	12
3	K*	170.10	161.59	161.10	696.39	687.88	687.39	11
4	Y	251.64	243.12	242.63	611.34	602.83	602.33	10
5	E	316.16	307.64	307.15	529.81	521.29	520.80	9
6	E	380.68	372.17	371.67	465.29	456.77	456.28	8
7	V	430.21	421.70	421.21	400.77	392.25	391.76	7

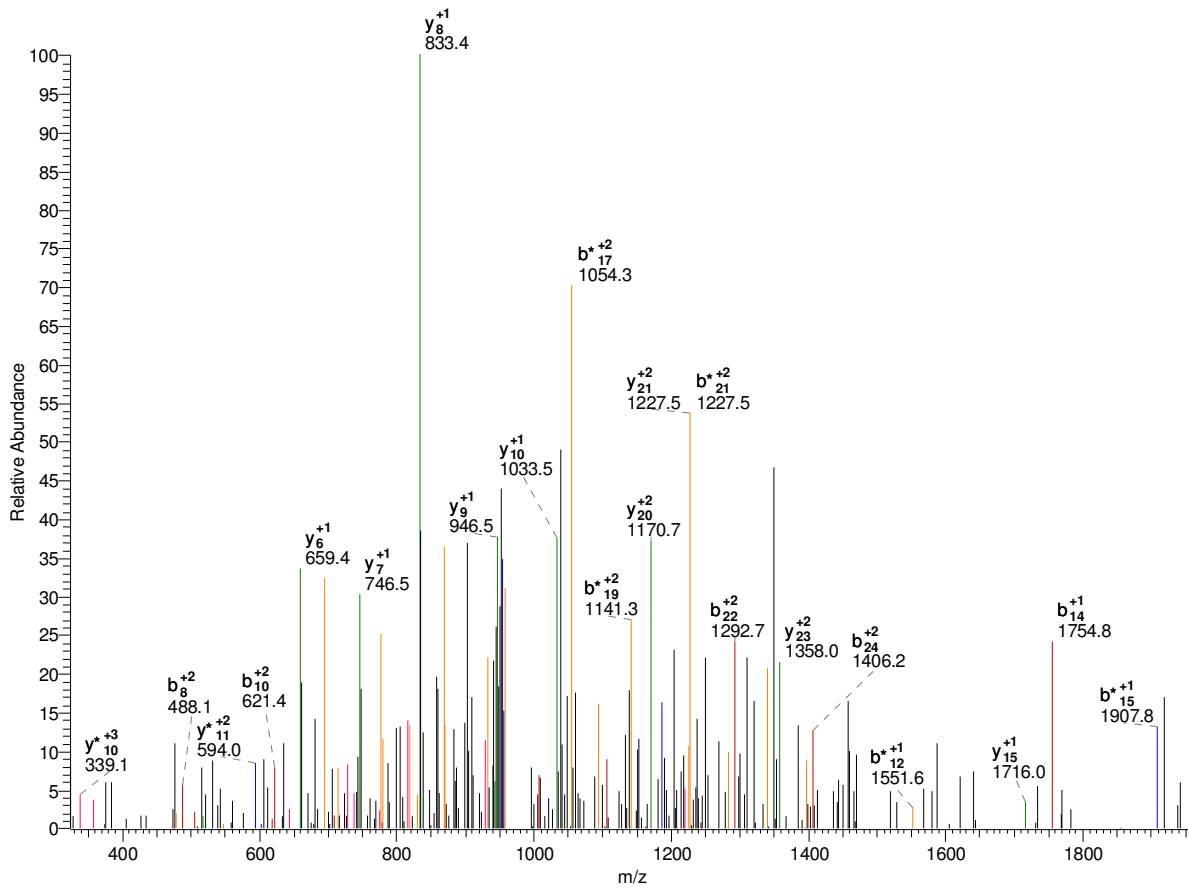
8	A	465.73	457.22	456.73	351.23	342.72	342.23	6
9	L	522.27	513.76	513.27	315.71	307.20	306.71	5
10	E	586.80	578.28	577.79	259.17	250.66	250.17	4
11	I	643.34	634.82	634.33	194.65	186.14	185.64	3
12	K	707.38	698.87	698.38	138.11	129.59	129.10	2
13	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	P	33.36	27.68	27.35	-	-	-	13
2	A	57.04	51.36	51.03	488.28	482.60	482.27	12
3	K*	113.74	108.06	107.74	464.60	458.92	458.59	11
4	Y	168.09	162.42	162.09	407.90	402.22	401.89	10
5	E	211.11	205.43	205.10	353.54	347.87	347.54	9
6	E	254.12	248.45	248.12	310.53	304.85	304.52	8
7	V	287.14	281.47	281.14	267.51	261.84	261.51	7
8	A	310.82	305.15	304.82	234.49	228.81	228.49	6
9	L	348.52	342.84	342.51	210.81	205.14	204.81	5
10	E	391.53	385.86	385.53	173.12	167.44	167.11	4
11	I	429.23	423.55	423.22	130.10	124.43	124.10	3
12	K	471.93	466.25	465.92	92.41	86.73	86.40	2
13	K	-	-	-	49.71	44.03	43.71	1

-

2957.41 K.QDFINNNQHMYSVK*SISSGDLLNK.T
 psu|PF11200w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 1138 - 1163
 #6696-6696 NL: 4.63E1



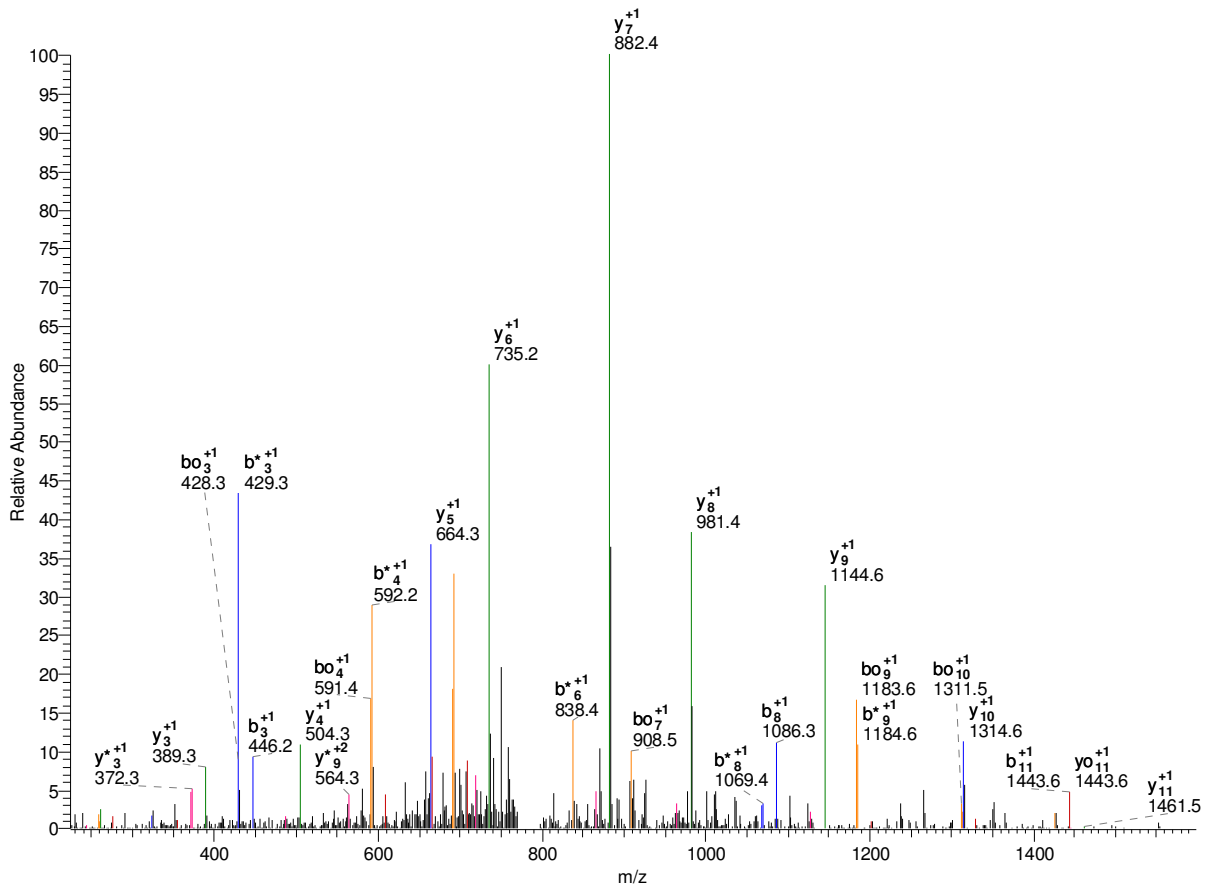
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Q	129.07	112.04	111.06	-	-	-	25
2	D	244.09	227.07	226.08	2829.35	2812.32	2811.34	24
3	F	391.16	374.13	373.15	2714.32	2697.30	2696.31	23
4	I	504.25	487.22	486.23	2567.26	2550.23	2549.25	22
5	N	618.29	601.26	600.28	2454.17	2437.15	2436.16	21
6	N	732.33	715.30	714.32	2340.13	2323.10	2322.12	20
7	N	846.37	829.35	828.36	2226.09	2209.06	2208.08	19
8	Q	974.43	957.41	956.42	2112.04	2095.02	2094.03	18
9	H	1111.49	1094.46	1093.48	1983.98	1966.96	1965.97	17
10	M	1242.53	1225.51	1224.52	1846.93	1829.90	1828.91	16
11	Y	1405.60	1388.57	1387.58	1715.89	1698.86	1697.87	15
12	Y	1568.66	1551.63	1550.65	1552.82	1535.80	1534.81	14
13	S	1655.69	1638.66	1637.68	1389.76	1372.73	1371.75	13
14	V	1754.76	1737.73	1736.75	1302.73	1285.70	1284.72	12
15	K*	1924.86	1907.84	1906.85	1203.66	1186.63	1185.65	11
16	S	2011.90	1994.87	1993.89	1033.55	1016.53	1015.54	10
17	I	2124.98	2107.95	2106.97	946.52	929.49	928.51	9
18	S	2212.01	2194.99	2194.00	833.44	816.41	815.43	8
19	S	2299.04	2282.02	2281.03	746.40	729.38	728.39	7
20	G	2356.07	2339.04	2338.06	659.37	642.35	641.36	6
21	D	2471.09	2454.07	2453.08	602.35	585.32	584.34	5
22	L	2584.18	2567.15	2566.17	487.32	470.30	469.31	4

23	L	2697.26	2680.23	2679.25	374.24	357.21	356.23	3
24	N	2811.30	2794.28	2793.29	261.16	244.13	243.15	2
25	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Q	65.04	56.52	56.03	-	-	-	25
2	D	122.55	114.04	113.54	1415.18	1406.67	1406.17	24
3	F	196.08	187.57	187.08	1357.67	1349.15	1348.66	23
4	I	252.63	244.11	243.62	1284.13	1275.62	1275.13	22
5	N	309.65	301.13	300.64	1227.59	1219.08	1218.58	21
6	N	366.67	358.16	357.66	1170.57	1162.05	1161.56	20
7	N	423.69	415.18	414.69	1113.55	1105.03	1104.54	19
8	Q	487.72	479.21	478.71	1056.53	1048.01	1047.52	18
9	H	556.25	547.74	547.24	992.50	983.98	983.49	17
10	M	621.77	613.26	612.76	923.97	915.45	914.96	16
11	Y	703.30	694.79	694.30	858.45	849.93	849.44	15
12	Y	784.83	776.32	775.83	776.91	768.40	767.91	14
13	S	828.35	819.84	819.34	695.38	686.87	686.38	13
14	V	877.88	869.37	868.88	651.87	643.35	642.86	12
15	K*	962.94	954.42	953.93	602.33	593.82	593.33	11
16	S	1006.45	997.94	997.45	517.28	508.77	508.27	10
17	I	1062.99	1054.48	1053.99	473.76	465.25	464.76	9
18	S	1106.51	1098.00	1097.50	417.22	408.71	408.22	8
19	S	1150.03	1141.51	1141.02	373.71	365.19	364.70	7
20	G	1178.54	1170.02	1169.53	330.19	321.68	321.18	6
21	D	1236.05	1227.54	1227.04	301.68	293.17	292.67	5
22	L	1292.59	1284.08	1283.59	244.17	235.65	235.16	4
23	L	1349.13	1340.62	1340.13	187.62	179.11	178.62	3
24	N	1406.16	1397.64	1397.15	131.08	122.57	122.08	2
25	K	-	-	-	74.06	65.55	65.05	1

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	Q	43.69	38.02	37.69	-	-	-	25
2	D	82.04	76.36	76.03	943.79	938.11	937.79	24
3	F	131.06	125.38	125.06	905.45	899.77	899.44	23
4	I	168.75	163.08	162.75	856.42	850.75	850.42	22
5	N	206.77	201.09	200.76	818.73	813.05	812.73	21
6	N	244.78	239.11	238.78	780.71	775.04	774.71	20
7	N	282.80	277.12	276.79	742.70	737.02	736.70	19
8	Q	325.48	319.81	319.48	704.69	699.01	698.68	18
9	H	371.17	365.49	365.17	662.00	656.32	656.00	17
10	M	414.85	409.17	408.85	616.31	610.64	610.31	16
11	Y	469.20	463.53	463.20	572.63	566.96	566.63	15
12	Y	523.56	517.88	517.55	518.28	512.60	512.28	14
13	S	552.57	546.89	546.56	463.92	458.25	457.92	13
14	V	585.59	579.92	579.59	434.91	429.24	428.91	12
15	K*	642.29	636.62	636.29	401.89	396.22	395.89	11
16	S	671.30	665.63	665.30	345.19	339.51	339.19	10
17	I	709.00	703.32	702.99	316.18	310.50	310.17	9
18	S	738.01	732.33	732.01	278.48	272.81	272.48	8
19	S	767.02	761.34	761.02	249.47	243.80	243.47	7
20	G	786.03	780.35	780.02	220.46	214.79	214.46	6
21	D	824.37	818.69	818.37	201.46	195.78	195.45	5
22	L	862.06	856.39	856.06	163.11	157.44	157.11	4
23	L	899.76	894.08	893.76	125.42	119.74	119.41	3
24	N	937.77	932.10	931.77	87.72	82.05	81.72	2
25	K	-	-	-	49.71	44.03	43.71	1

1589.74 K.QFK*YVFAC@DQNK.K
 psu|PF13_0214 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1-
 gamma, putative | 211 - 223
 #4485-4485 NL: 8.91E2



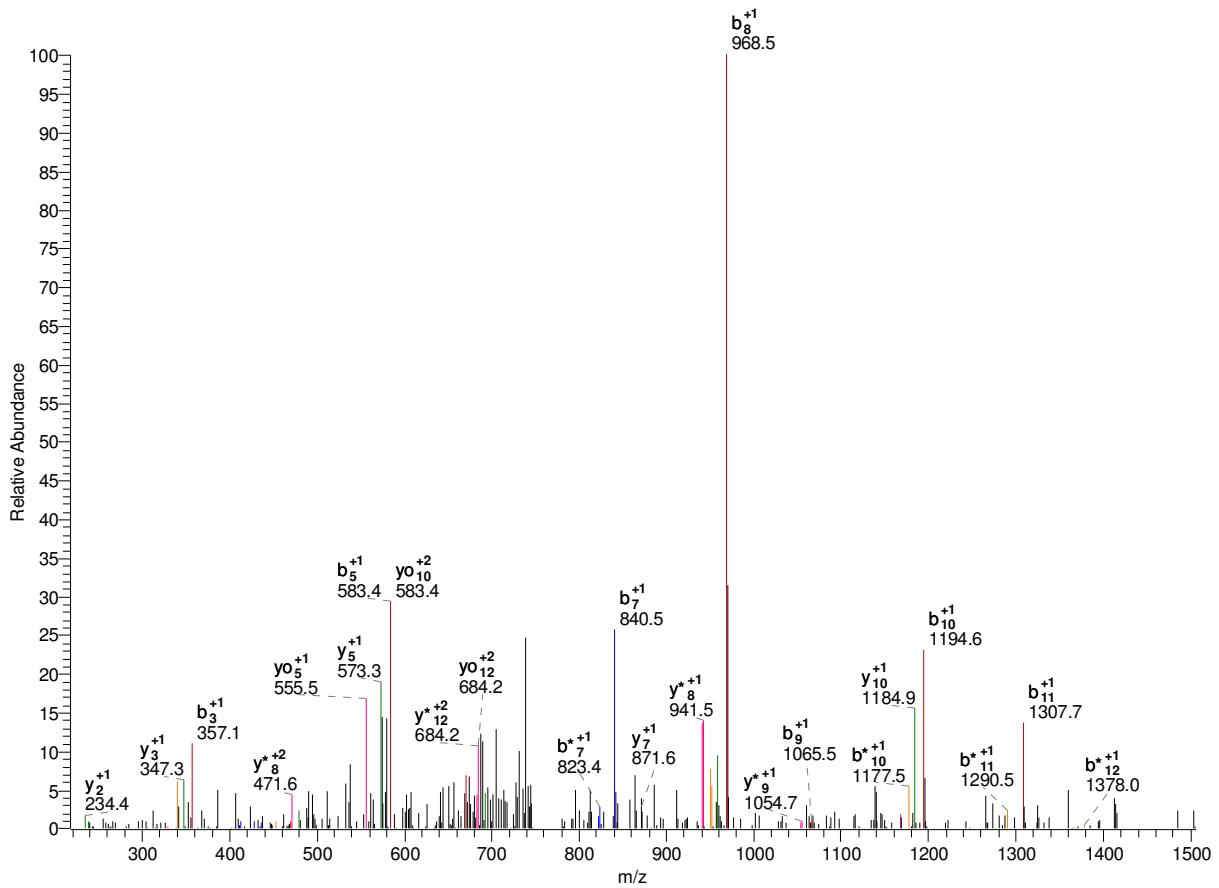
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Q	129.07	112.04	111.06	-	-	-	12
2	F	276.13	259.11	258.12	1461.68	1444.66	1443.67	11
3	K*	446.24	429.21	428.23	1314.61	1297.59	1296.60	10
4	Y	609.30	592.28	591.29	1144.51	1127.48	1126.50	9
5	V	708.37	691.34	690.36	981.45	964.42	963.44	8
6	F	855.44	838.41	837.43	882.38	865.35	864.37	7
7	A	926.48	909.45	908.47	735.31	718.28	717.30	6
8	C@	1086.51	1069.48	1068.50	664.27	647.25	646.26	5
9	D	1201.53	1184.51	1183.52	504.24	487.21	486.23	4
10	Q	1329.59	1312.57	1311.58	389.21	372.19	371.20	3
11	N	1443.64	1426.61	1425.63	261.16	244.13	243.15	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Q	65.04	56.52	56.03	-	-	-	12
2	F	138.57	130.06	129.57	731.35	722.83	722.34	11
3	K*	223.62	215.11	214.62	657.81	649.30	648.81	10
4	Y	305.16	296.64	296.15	572.76	564.24	563.75	9
5	V	354.69	346.18	345.68	491.23	482.71	482.22	8
6	F	428.22	419.71	419.22	441.69	433.18	432.69	7
7	A	463.74	455.23	454.74	368.16	359.64	359.15	6
8	C@	543.76	535.24	534.75	332.64	324.13	323.63	5

9	D	601.27	592.76	592.27	252.62	244.11	243.62	4
10	Q	665.30	656.79	656.29	195.11	186.60	186.11	3
11	N	722.32	713.81	713.32	131.08	122.57	122.08	2
12	K	-	-	-	74.06	65.55	65.05	1

—

1540.87 K.RAEIISK*QPELSK.D
 psu|PFL0145c | organism=Plasmodium_falciparum_3D7 | product=high mobility group
 protein | location= 35 - 48
 #2771-2771 NL: 1.55E2

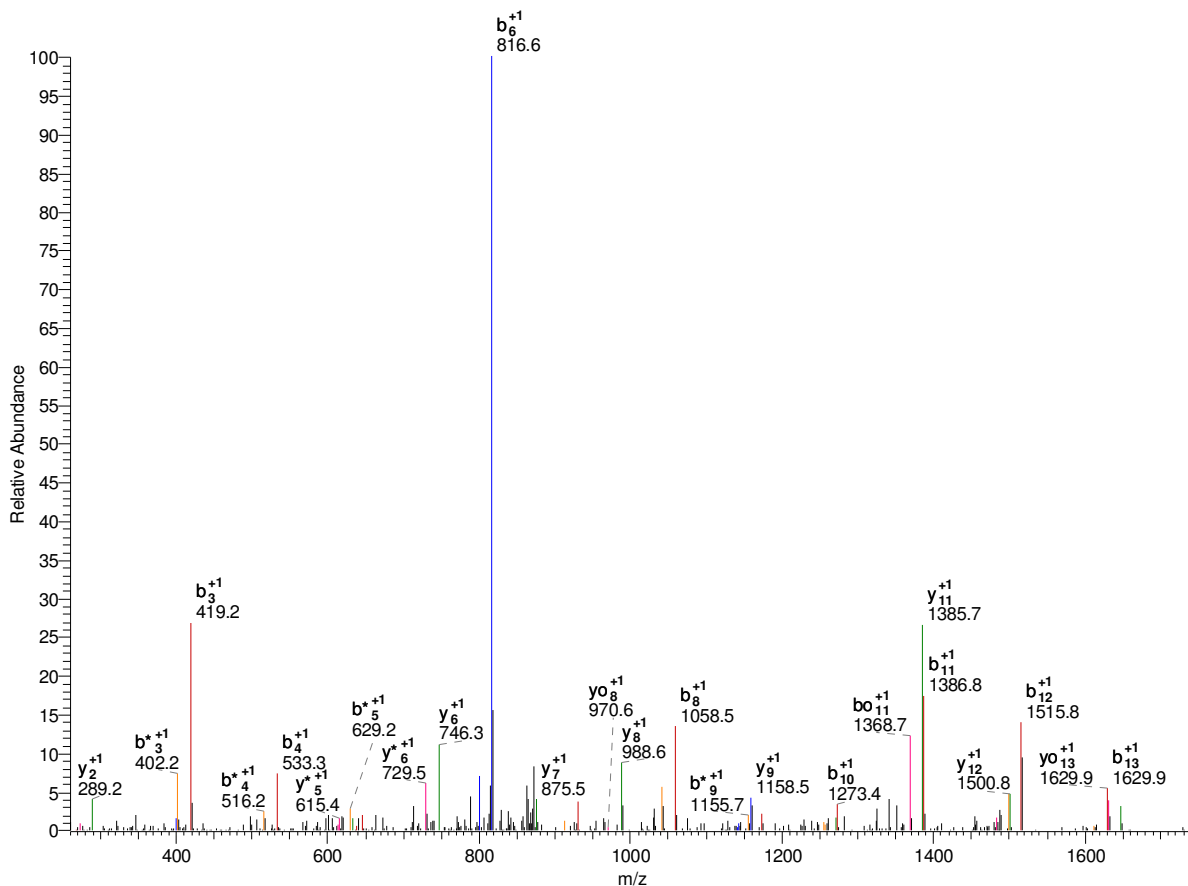


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	R	157.11	140.08	139.10	-	-	-	13
2	A	228.15	211.12	210.13	1384.77	1367.74	1366.76	12
3	E	357.19	340.16	339.18	1313.73	1296.70	1295.72	11
4	I	470.27	453.25	452.26	1184.69	1167.66	1166.68	10
5	I	583.36	566.33	565.35	1071.60	1054.58	1053.59	9
6	S	670.39	653.36	652.38	958.52	941.49	940.51	8
7	K*	840.49	823.47	822.48	871.49	854.46	853.48	7
8	Q	968.55	951.53	950.54	701.38	684.36	683.37	6
9	P	1065.61	1048.58	1047.59	573.32	556.30	555.31	5
10	E	1194.65	1177.62	1176.64	476.27	459.24	458.26	4
11	L	1307.73	1290.71	1289.72	347.23	330.20	329.22	3
12	S	1394.76	1377.74	1376.75	234.14	217.12	216.13	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	R	79.06	70.54	70.05	-	-	-	13
2	A	114.58	106.06	105.57	692.89	684.37	683.88	12
3	E	179.10	170.58	170.09	657.37	648.86	648.36	11
4	I	235.64	227.13	226.63	592.85	584.33	583.84	10
5	I	292.18	283.67	283.18	536.31	527.79	527.30	9
6	S	335.70	327.18	326.69	479.76	471.25	470.76	8
7	K*	420.75	412.24	411.75	436.25	427.73	427.24	7
8	Q	484.78	476.27	475.77	351.20	342.68	342.19	6
9	P	533.31	524.79	524.30	287.17	278.65	278.16	5
10	E	597.83	589.31	588.82	238.64	230.13	229.63	4
11	L	654.37	645.86	645.36	174.12	165.60	165.11	3
12	S	697.89	689.37	688.88	117.58	109.06	108.57	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1803.93 K.RFDNIK*LENTIENR.A
 psu|PF14_0425 | organism=Plasmodium_falciparum_3D7 | product=fructose-bisphosphate
 aldolase | locat 48 - 62
 #4534-4534 NL: 4.82E2



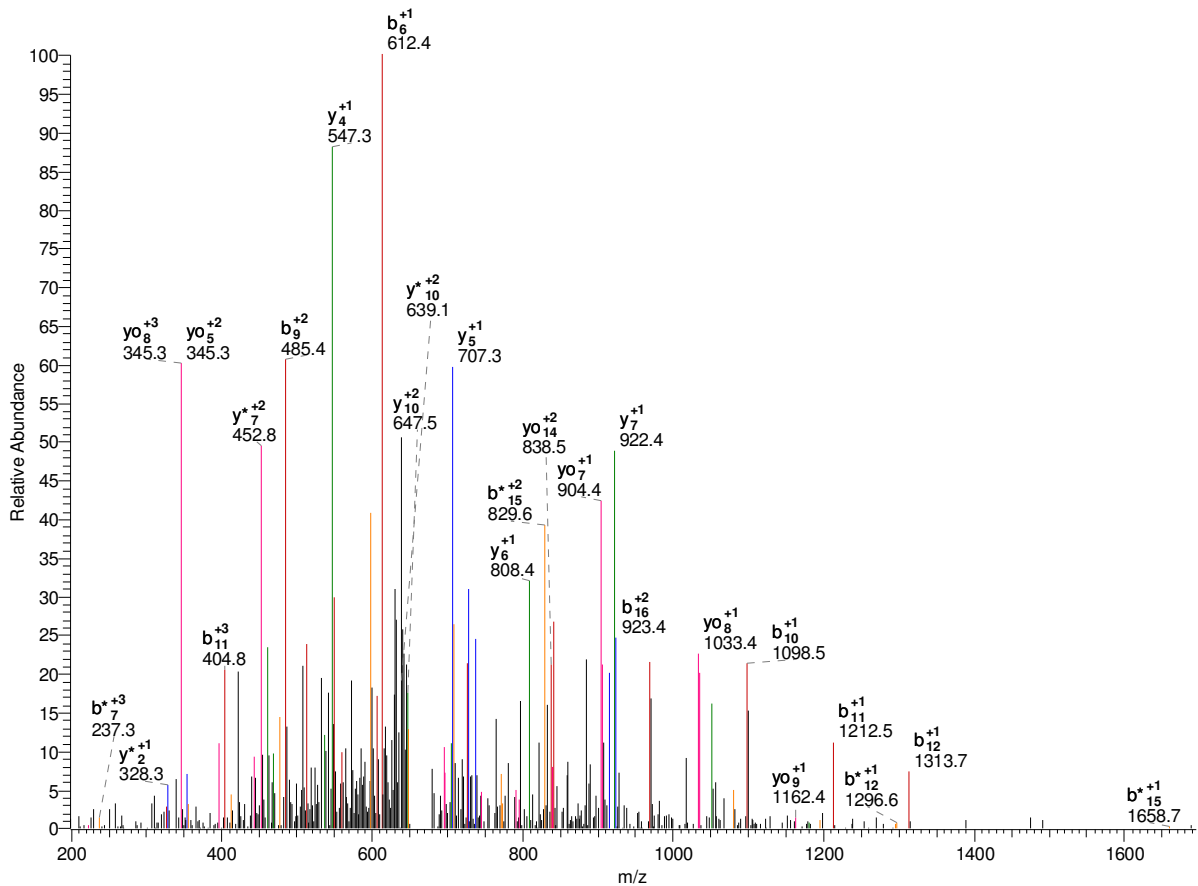
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	R	157.11	140.08	139.10	-	-	-	14
2	F	304.18	287.15	286.17	1647.83	1630.81	1629.82	13
3	D	419.20	402.18	401.19	1500.77	1483.74	1482.75	12
4	N	533.25	516.22	515.24	1385.74	1368.71	1367.73	11
5	I	646.33	629.30	628.32	1271.70	1254.67	1253.68	10
6	K*	816.44	799.41	798.43	1158.61	1141.58	1140.60	9
7	L	929.52	912.49	911.51	988.51	971.48	970.50	8
8	E	1058.56	1041.54	1040.55	875.42	858.40	857.41	7
9	N	1172.61	1155.58	1154.60	746.38	729.35	728.37	6
10	T	1273.65	1256.63	1255.64	632.34	615.31	614.33	5
11	I	1386.74	1369.71	1368.73	531.29	514.26	513.28	4
12	E	1515.78	1498.75	1497.77	418.20	401.18	400.19	3
13	N	1629.82	1612.80	1611.81	289.16	272.14	271.15	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	R	79.06	70.54	70.05	-	-	-	14
2	F	152.59	144.08	143.59	824.42	815.91	815.42	13
3	D	210.11	201.59	201.10	750.89	742.37	741.88	12
4	N	267.13	258.61	258.12	693.37	684.86	684.37	11
5	I	323.67	315.16	314.66	636.35	627.84	627.35	10
6	K*	408.72	400.21	399.72	579.81	571.30	570.80	9

7	L	465.26	456.75	456.26	494.76	486.24	485.75	8
8	E	529.79	521.27	520.78	438.21	429.70	429.21	7
9	N	586.81	578.29	577.80	373.69	365.18	364.69	6
10	T	637.33	628.82	628.33	316.67	308.16	307.67	5
11	I	693.87	685.36	684.87	266.15	257.63	257.14	4
12	E	758.39	749.88	749.39	209.61	201.09	200.60	3
13	N	815.42	806.90	806.41	145.08	136.57	136.08	2
14	R	-	-	-	88.06	79.55	79.06	1

-

2019.95 K.RLGSVVNNEENTC@SDK*R.M
 psu|MAL13P1.56 | organism=Plasmodium_falci-parum_3D7 | product=m1-family aminopeptidase
 | location=M 127 - 144
 #569-569 NL: 1.66E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	R	157.11	140.08	139.10	-	-	-	17
2	L	270.19	253.17	252.18	1863.85	1846.82	1845.84	16
3	G	327.21	310.19	309.20	1750.77	1733.74	1732.76	15
4	S	414.25	397.22	396.24	1693.74	1676.72	1675.73	14
5	V	513.31	496.29	495.30	1606.71	1589.69	1588.70	13
6	V	612.38	595.36	594.37	1507.64	1490.62	1489.63	12
7	N	726.43	709.40	708.42	1408.58	1391.55	1390.57	11
8	N	840.47	823.44	822.46	1294.53	1277.51	1276.52	10
9	E	969.51	952.48	951.50	1180.49	1163.46	1162.48	9
10	E	1098.55	1081.53	1080.54	1051.45	1034.42	1033.44	8
11	N	1212.60	1195.57	1194.59	922.40	905.38	904.39	7
12	T	1313.64	1296.62	1295.63	808.36	791.34	790.35	6
13	C@	1473.68	1456.65	1455.66	707.31	690.29	689.30	5
14	S	1560.71	1543.68	1542.70	547.28	530.26	529.27	4
15	D	1675.73	1658.71	1657.72	460.25	443.22	442.24	3
16	K*	1845.84	1828.81	1827.83	345.22	328.20	327.21	2
17	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	R	79.06	70.54	70.05	-	-	-	17
2	L	135.60	127.09	126.59	932.43	923.92	923.42	16
3	G	164.11	155.60	155.11	875.89	867.37	866.88	15

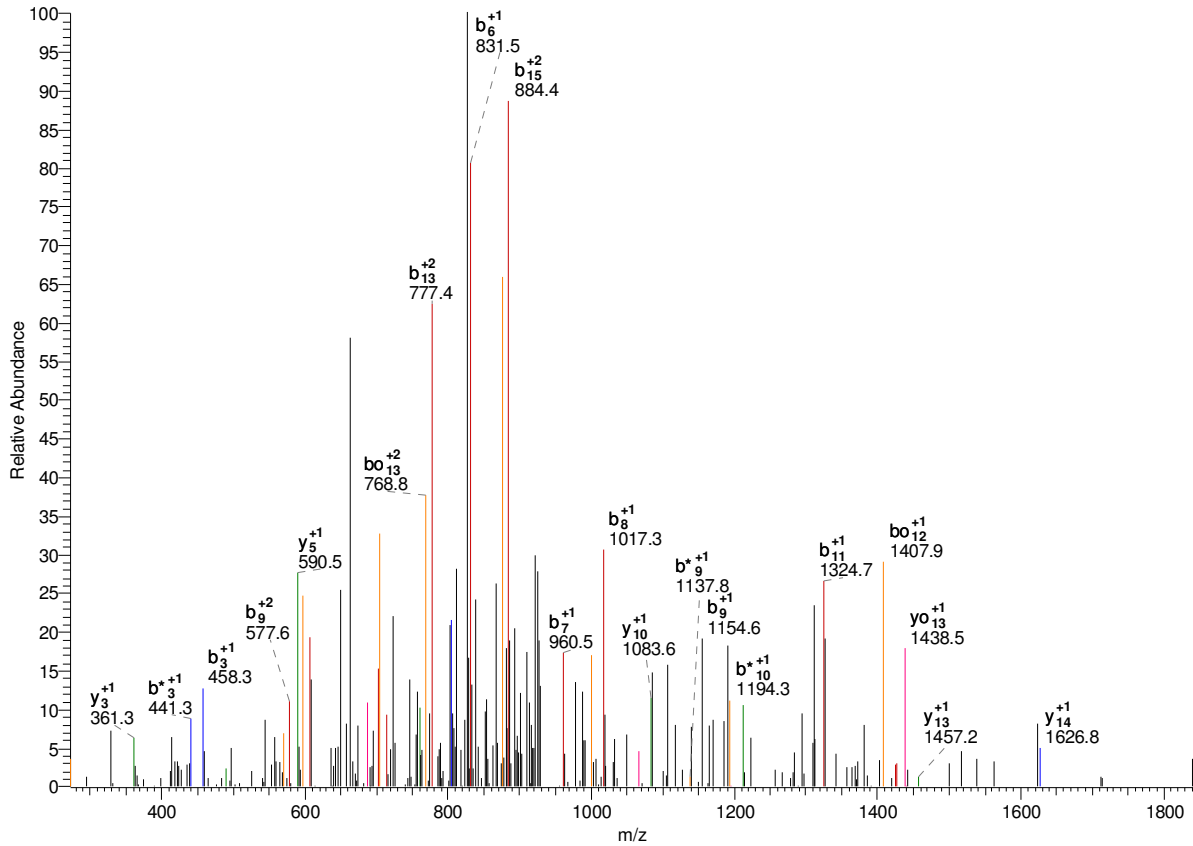
4	S	207.63	199.11	198.62	847.38	838.86	838.37	14
5	V	257.16	248.65	248.16	803.86	795.35	794.85	13
6	V	306.70	298.18	297.69	754.33	745.81	745.32	12
7	N	363.72	355.20	354.71	704.79	696.28	695.79	11
8	N	420.74	412.22	411.73	647.77	639.26	638.76	10
9	E	485.26	476.75	476.25	590.75	582.24	581.74	9
10	E	549.78	541.27	540.78	526.23	517.71	517.22	8
11	N	606.80	598.29	597.80	461.71	453.19	452.70	7
12	T	657.33	648.81	648.32	404.68	396.17	395.68	6
13	C@	737.34	728.83	728.34	354.16	345.65	345.16	5
14	S	780.86	772.34	771.85	274.15	265.63	265.14	4
15	D	838.37	829.86	829.37	230.63	222.12	221.62	3
16	K*	923.42	914.91	914.42	173.12	164.60	164.11	2
17	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	R	53.04	47.37	47.04	-	-	-	17
2	L	90.74	85.06	84.73	621.95	616.28	615.95	16
3	G	109.74	104.07	103.74	584.26	578.58	578.26	15
4	S	138.75	133.08	132.75	565.25	559.58	559.25	14
5	V	171.78	166.10	165.77	536.24	530.57	530.24	13
6	V	204.80	199.12	198.80	503.22	497.54	497.22	12
7	N	242.81	237.14	236.81	470.20	464.52	464.19	11
8	N	280.83	275.15	274.82	432.18	426.51	426.18	10
9	E	323.84	318.17	317.84	394.17	388.49	388.16	9
10	E	366.86	361.18	360.85	351.15	345.48	345.15	8
11	N	404.87	399.19	398.87	308.14	302.46	302.14	7
12	T	438.55	432.88	432.55	270.13	264.45	264.12	6
13	C@	491.90	486.22	485.89	236.44	230.77	230.44	5
14	S	520.91	515.23	514.90	183.10	177.42	177.10	4
15	D	559.25	553.57	553.25	154.09	148.41	148.09	3
16	K*	615.95	610.28	609.95	115.75	110.07	109.74	2
17	R	-	-	-	59.04	53.37	53.04	1

-

1913.95 K.RMK*PFEEGHGITQVDK.M
 psu|MAL13P1.56 | organism=Plasmodium_falciparum_3D7 | product=m1-family aminopeptidase
 | location=M 143 - 159
 #2570-2570 NL: 5.73E1



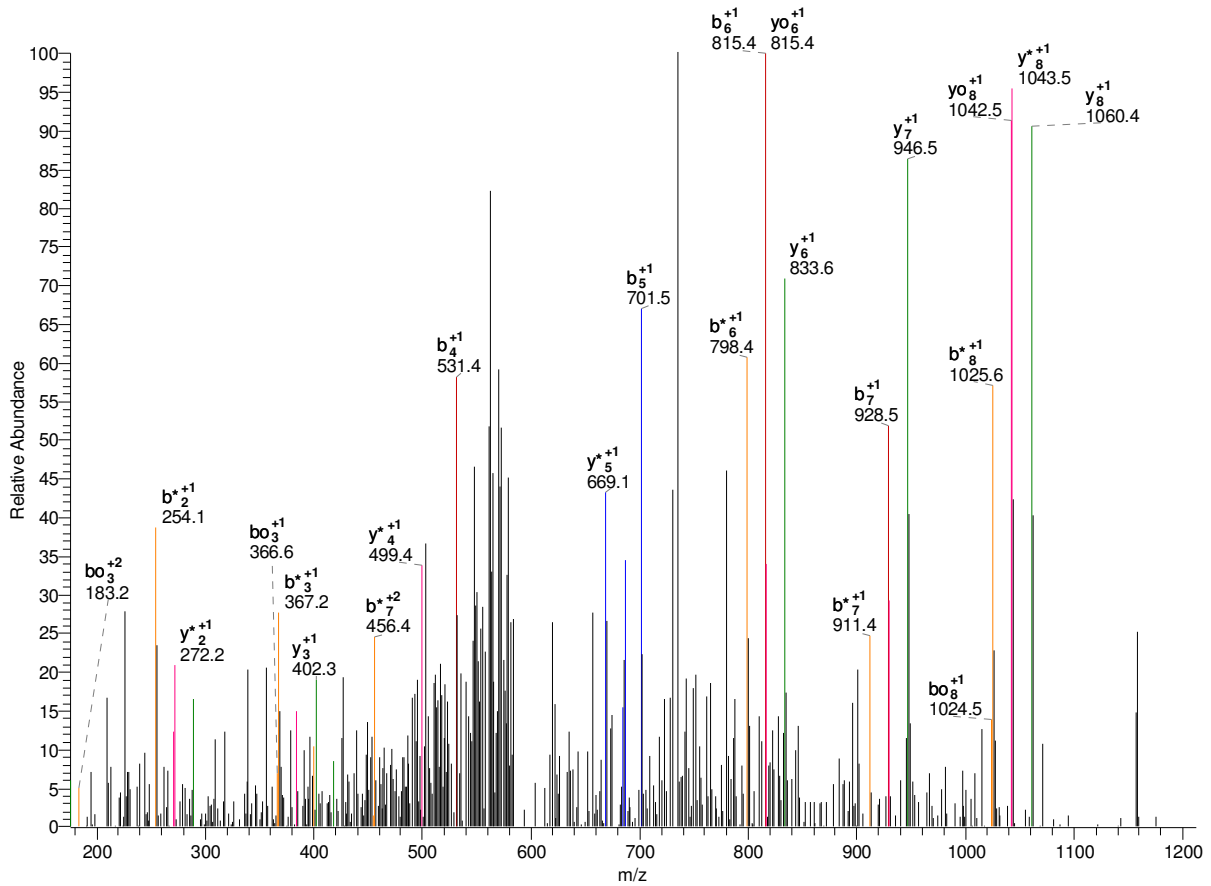
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	R	157.11	140.08	139.10	-	-	-	16
2	M	288.15	271.12	270.14	1757.85	1740.83	1739.84	15
3	K*	458.25	441.23	440.24	1626.81	1609.79	1608.80	14
4	P	555.31	538.28	537.30	1456.71	1439.68	1438.70	13
5	F	702.38	685.35	684.37	1359.65	1342.63	1341.64	12
6	E	831.42	814.39	813.41	1212.59	1195.56	1194.57	11
7	E	960.46	943.43	942.45	1083.54	1066.52	1065.53	10
8	G	1017.48	1000.46	999.47	954.50	937.47	936.49	9
9	H	1154.54	1137.51	1136.53	897.48	880.45	879.47	8
10	G	1211.56	1194.54	1193.55	760.42	743.39	742.41	7
11	I	1324.65	1307.62	1306.64	703.40	686.37	685.39	6
12	T	1425.69	1408.67	1407.68	590.31	573.29	572.30	5
13	Q	1553.75	1536.73	1535.74	489.27	472.24	471.26	4
14	V	1652.82	1635.79	1634.81	361.21	344.18	343.20	3
15	D	1767.85	1750.82	1749.84	262.14	245.11	244.13	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	R	79.06	70.54	70.05	-	-	-	16
2	M	144.58	136.06	135.57	879.43	870.92	870.42	15
3	K*	229.63	221.12	220.63	813.91	805.40	804.90	14
4	P	278.16	269.64	269.15	728.86	720.34	719.85	13

5	F	351.69	343.18	342.69	680.33	671.82	671.33	12
6	E	416.21	407.70	407.21	606.80	598.28	597.79	11
7	E	480.73	472.22	471.73	542.28	533.76	533.27	10
8	G	509.24	500.73	500.24	477.75	469.24	468.75	9
9	H	577.77	569.26	568.77	449.24	440.73	440.24	8
10	G	606.28	597.77	597.28	380.71	372.20	371.71	7
11	I	662.83	654.31	653.82	352.20	343.69	343.20	6
12	T	713.35	704.84	704.35	295.66	287.15	286.66	5
13	Q	777.38	768.87	768.37	245.14	236.62	236.13	4
14	V	826.91	818.40	817.91	181.11	172.59	172.10	3
15	D	884.43	875.91	875.42	131.57	123.06	122.57	2
16	K	-	-	-	74.06	65.55	65.05	1

-

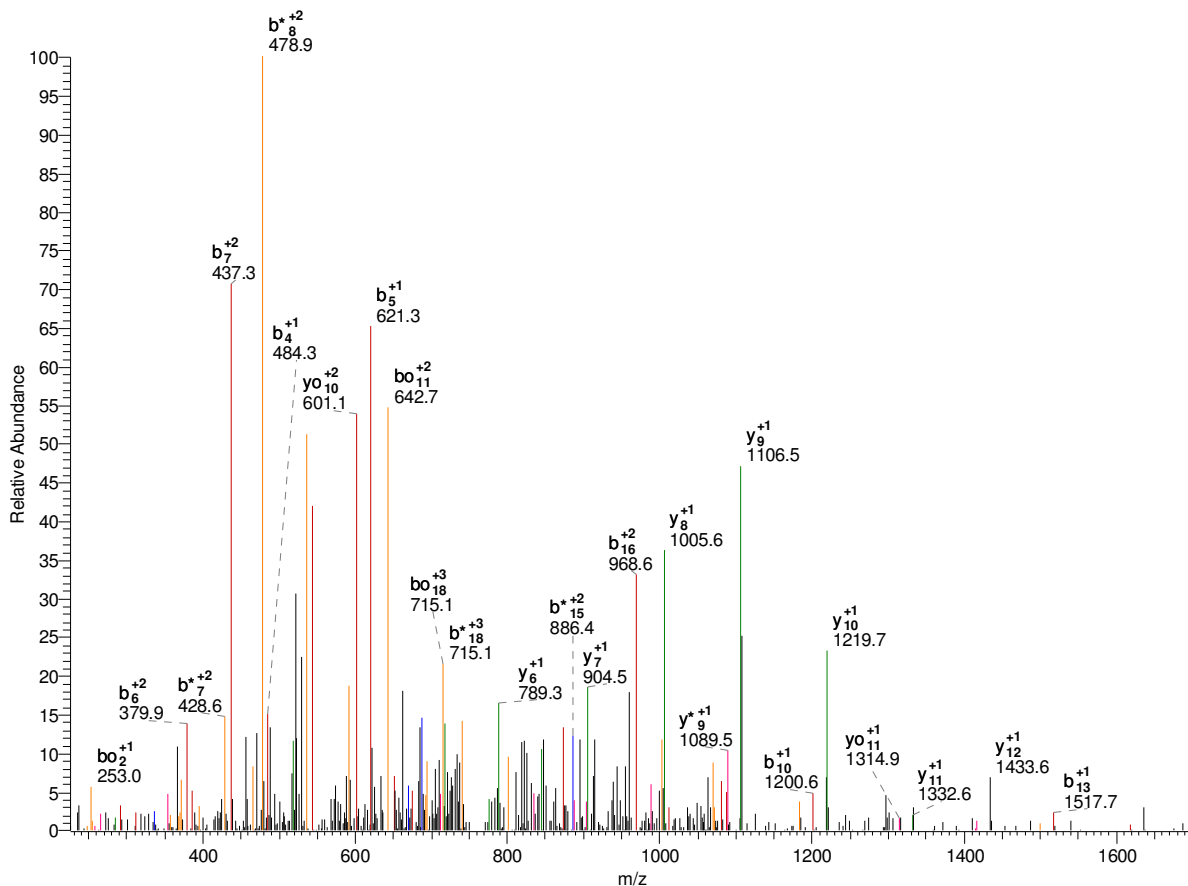
1216.69 K.RNIFK*NLNR.N
 psu|PFB0380c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL2:34 1803 - 1812
 #2804-2804 NL: 7.94E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	R	157.11	140.08	139.10	-	-	-	9
2	N	271.15	254.12	253.14	1060.59	1043.56	1042.58	8
3	I	384.24	367.21	366.22	946.55	929.52	928.54	7
4	F	531.30	514.28	513.29	833.46	816.44	815.45	6
5	K*	701.41	684.38	683.40	686.39	669.37	668.38	5
6	N	815.45	798.43	797.44	516.29	499.26	498.28	4
7	L	928.54	911.51	910.53	402.25	385.22	384.24	3
8	N	1042.58	1025.55	1024.57	289.16	272.14	271.15	2
9	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	R	79.06	70.54	70.05	-	-	-	9
2	N	136.08	127.57	127.07	530.80	522.29	521.79	8
3	I	192.62	184.11	183.62	473.78	465.26	464.77	7
4	F	266.16	257.64	257.15	417.24	408.72	408.23	6
5	K*	351.21	342.70	342.20	343.70	335.19	334.70	5
6	N	408.23	399.72	399.22	258.65	250.13	249.64	4
7	L	464.77	456.26	455.77	201.63	193.11	192.62	3
8	N	521.79	513.28	512.79	145.08	136.57	136.08	2
9	R	-	-	-	88.06	79.55	79.06	1

2306.16 K.RNNVHHDILTDTDK*FSHK.E
 psu|PF11570c | organism=Plasmodium_falciparum_3D7 | product=aminopeptidase, putative |
 location=MAL 195 - 214
 #2019-2019 NL: 2.18E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	R	157.11	140.08	139.10	-	-	-	19
2	N	271.15	254.12	253.14	2150.06	2133.04	2132.05	18
3	N	385.19	368.17	367.18	2036.02	2018.99	2018.01	17
4	V	484.26	467.24	466.25	1921.98	1904.95	1903.97	16
5	H	621.32	604.30	603.31	1822.91	1805.88	1804.90	15
6	H	758.38	741.35	740.37	1685.85	1668.82	1667.84	14
7	D	873.41	856.38	855.40	1548.79	1531.76	1530.78	13
8	T	974.46	957.43	956.44	1433.76	1416.74	1415.75	12
9	I	1087.54	1070.51	1069.53	1332.72	1315.69	1314.71	11
10	L	1200.62	1183.60	1182.61	1219.63	1202.61	1201.62	10
11	T	1301.67	1284.64	1283.66	1106.55	1089.52	1088.54	9
12	T	1402.72	1385.69	1384.71	1005.50	988.47	987.49	8
13	D	1517.75	1500.72	1499.73	904.45	887.43	886.44	7
14	T	1618.79	1601.77	1600.78	789.43	772.40	771.41	6
15	K*	1788.90	1771.87	1770.89	688.38	671.35	670.37	5
16	F	1935.97	1918.94	1917.96	518.27	501.25	500.26	4
17	S	2023.00	2005.97	2004.99	371.20	354.18	353.19	3
18	H	2160.06	2143.03	2142.05	284.17	267.15	266.16	2
19	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	R	79.06	70.54	70.05	-	-	-	19

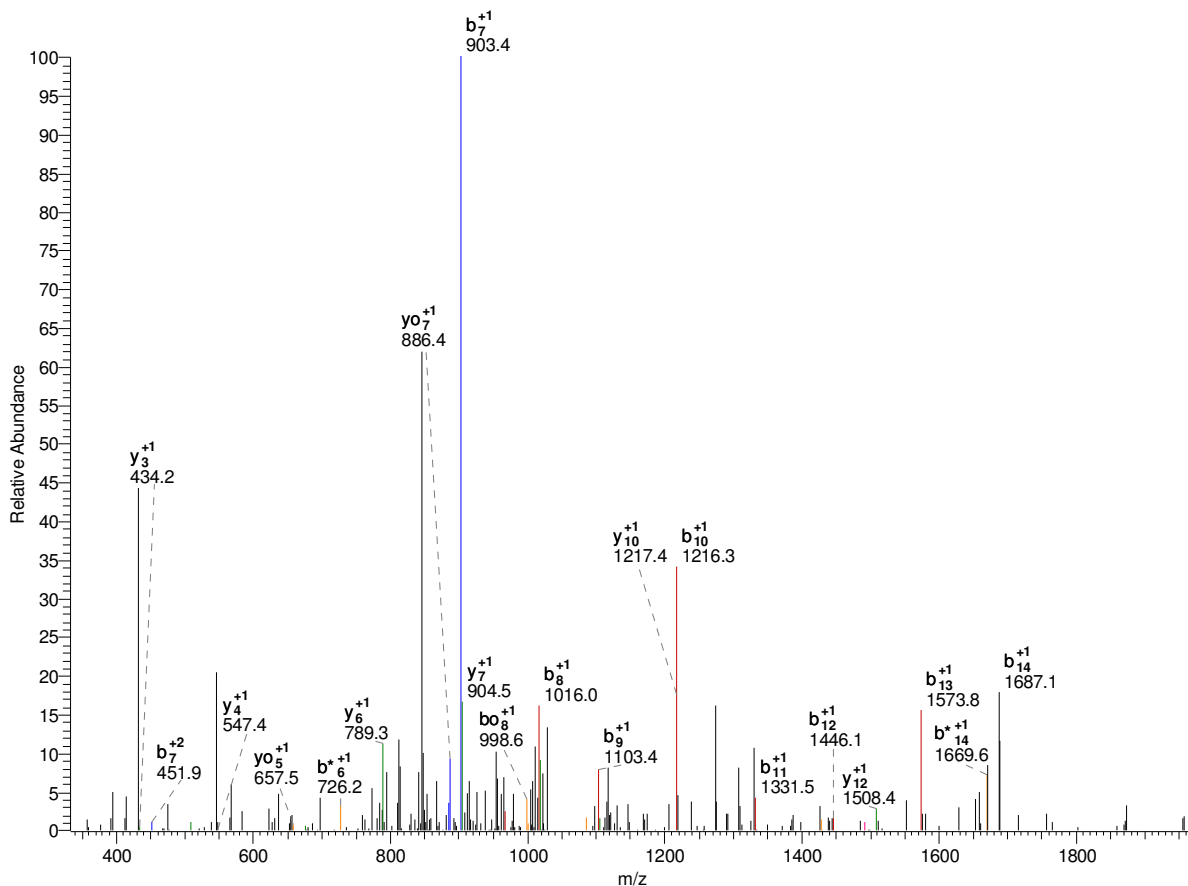
2	N	136.08	127.57	127.07	1075.53	1067.02	1066.53	18
3	N	193.10	184.59	184.10	1018.51	1010.00	1009.51	17
4	V	242.63	234.12	233.63	961.49	952.98	952.49	16
5	H	311.16	302.65	302.16	911.96	903.44	902.95	15
6	H	379.69	371.18	370.69	843.43	834.92	834.42	14
7	D	437.21	428.69	428.20	774.90	766.39	765.89	13
8	T	487.73	479.22	478.73	717.39	708.87	708.38	12
9	I	544.27	535.76	535.27	666.86	658.35	657.86	11
10	L	600.82	592.30	591.81	610.32	601.81	601.31	10
11	T	651.34	642.83	642.33	553.78	545.26	544.77	9
12	T	701.86	693.35	692.86	503.25	494.74	494.25	8
13	D	759.38	750.86	750.37	452.73	444.22	443.72	7
14	T	809.90	801.39	800.89	395.22	386.70	386.21	6
15	K*	894.95	886.44	885.95	344.69	336.18	335.69	5
16	F	968.49	959.97	959.48	259.64	251.13	250.63	4
17	S	1012.00	1003.49	1003.00	186.11	177.59	177.10	3
18	H	1080.53	1072.02	1071.53	142.59	134.08	133.58	2
19	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	R	53.04	47.37	47.04	-	-	-	19
2	N	91.06	85.38	85.05	717.36	711.68	711.36	18
3	N	129.07	123.39	123.07	679.34	673.67	673.34	17
4	V	162.09	156.42	156.09	641.33	635.65	635.33	16
5	H	207.78	202.10	201.78	608.31	602.63	602.30	15
6	H	253.47	247.79	247.46	562.62	556.95	556.62	14
7	D	291.81	286.13	285.80	516.93	511.26	510.93	13
8	T	325.49	319.81	319.49	478.59	472.92	472.59	12
9	I	363.18	357.51	357.18	444.91	439.23	438.91	11
10	L	400.88	395.20	394.88	407.22	401.54	401.21	10
11	T	434.56	428.89	428.56	369.52	363.85	363.52	9
12	T	468.24	462.57	462.24	335.84	330.16	329.83	8
13	D	506.59	500.91	500.58	302.16	296.48	296.15	7
14	T	540.27	534.59	534.27	263.81	258.14	257.81	6
15	K*	596.97	591.30	590.97	230.13	224.46	224.13	5
16	F	645.99	640.32	639.99	173.43	167.75	167.43	4
17	S	675.00	669.33	669.00	124.41	118.73	118.40	3
18	H	720.69	715.02	714.69	95.40	89.72	89.39	2
19	K	-	-	-	49.71	44.03	43.71	1

-

2120.04 K.RVQNNMC@ISIDNKINMK*.N
 psu|PF13_0210 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 639 - 656
 #6913-6913 NL: 1.27E2



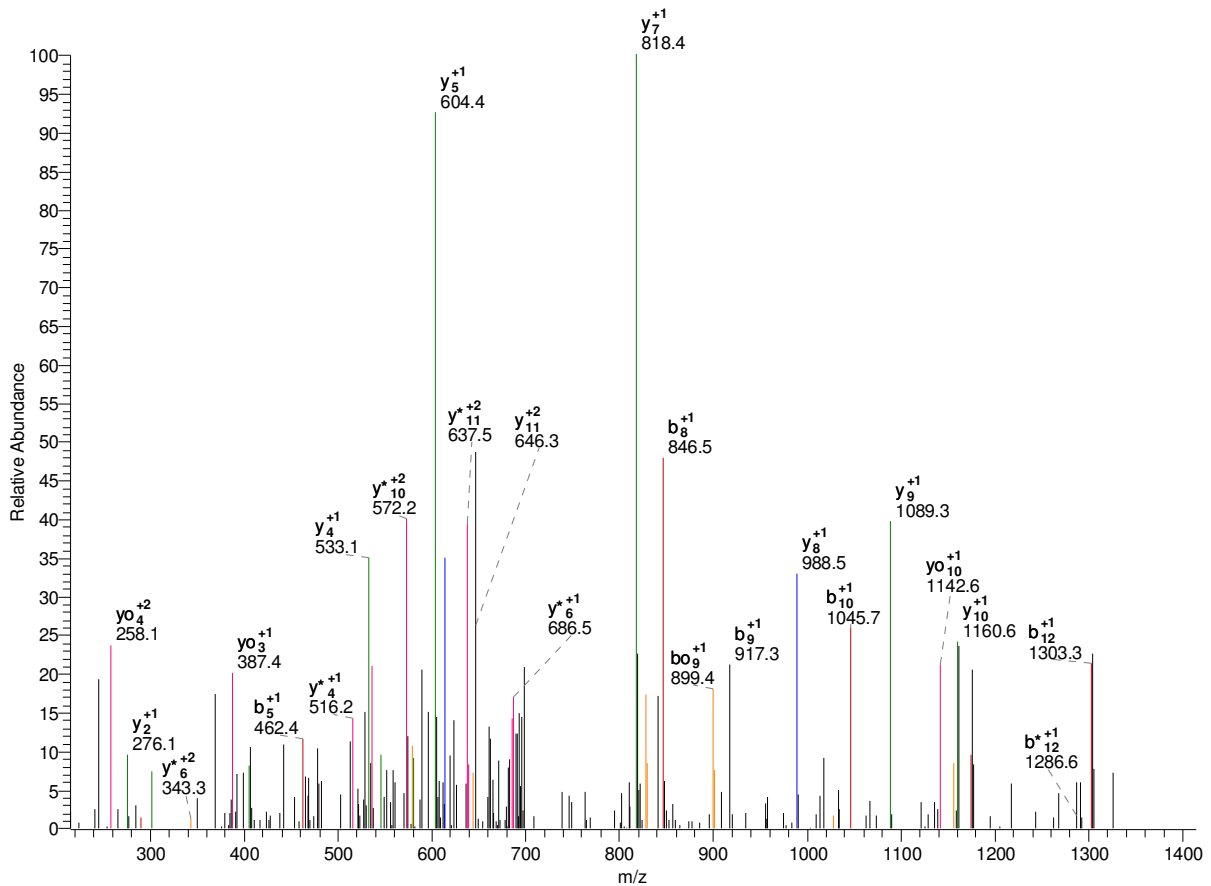
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	R	157.11	140.08	139.10	-	-	-	17
2	V	256.18	239.15	238.17	1963.94	1946.91	1945.93	16
3	Q	384.24	367.21	366.22	1864.87	1847.84	1846.86	15
4	N	498.28	481.25	480.27	1736.81	1719.79	1718.80	14
5	N	612.32	595.29	594.31	1622.77	1605.74	1604.76	13
6	M	743.36	726.34	725.35	1508.73	1491.70	1490.72	12
7	C@	903.39	886.37	885.38	1377.69	1360.66	1359.68	11
8	I	1016.48	999.45	998.47	1217.66	1200.63	1199.65	10
9	S	1103.51	1086.48	1085.50	1104.57	1087.55	1086.56	9
10	I	1216.59	1199.57	1198.58	1017.54	1000.51	999.53	8
11	D	1331.62	1314.59	1313.61	904.46	887.43	886.45	7
12	N	1445.66	1428.64	1427.65	789.43	772.40	771.42	6
13	K	1573.76	1556.73	1555.75	675.39	658.36	657.38	5
14	I	1686.84	1669.81	1668.83	547.29	530.26	529.28	4
15	N	1800.88	1783.86	1782.87	434.21	417.18	416.20	3
16	M	1931.92	1914.90	1913.91	320.16	303.14	302.15	2
17	K*	-	-	-	189.12	172.10	171.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	R	79.06	70.54	70.05	-	-	-	17
2	V	128.59	120.08	119.59	982.47	973.96	973.47	16
3	Q	192.62	184.11	183.62	932.94	924.43	923.93	15

4	N	249.64	241.13	240.64	868.91	860.40	859.90	14
5	N	306.66	298.15	297.66	811.89	803.38	802.88	13
6	M	372.18	363.67	363.18	754.87	746.35	745.86	12
7	C@	452.20	443.69	443.19	689.35	680.83	680.34	11
8	I	508.74	500.23	499.74	609.33	600.82	600.33	10
9	S	552.26	543.74	543.25	552.79	544.28	543.78	9
10	I	608.80	600.29	599.79	509.27	500.76	500.27	8
11	D	666.31	657.80	657.31	452.73	444.22	443.73	7
12	N	723.33	714.82	714.33	395.22	386.70	386.21	6
13	K	787.38	778.87	778.38	338.20	329.68	329.19	5
14	I	843.92	835.41	834.92	274.15	265.64	265.14	4
15	N	900.95	892.43	891.94	217.61	209.09	208.60	3
16	M	966.47	957.95	957.46	160.59	152.07	151.58	2
17	K*	-	-	-	95.07	86.55	86.06	1

-

1449.69 R.SAMATK*DVAQEELK.E
 psu|PF11_0142 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 73 - 86
 #714-714 NL: 6.14E1



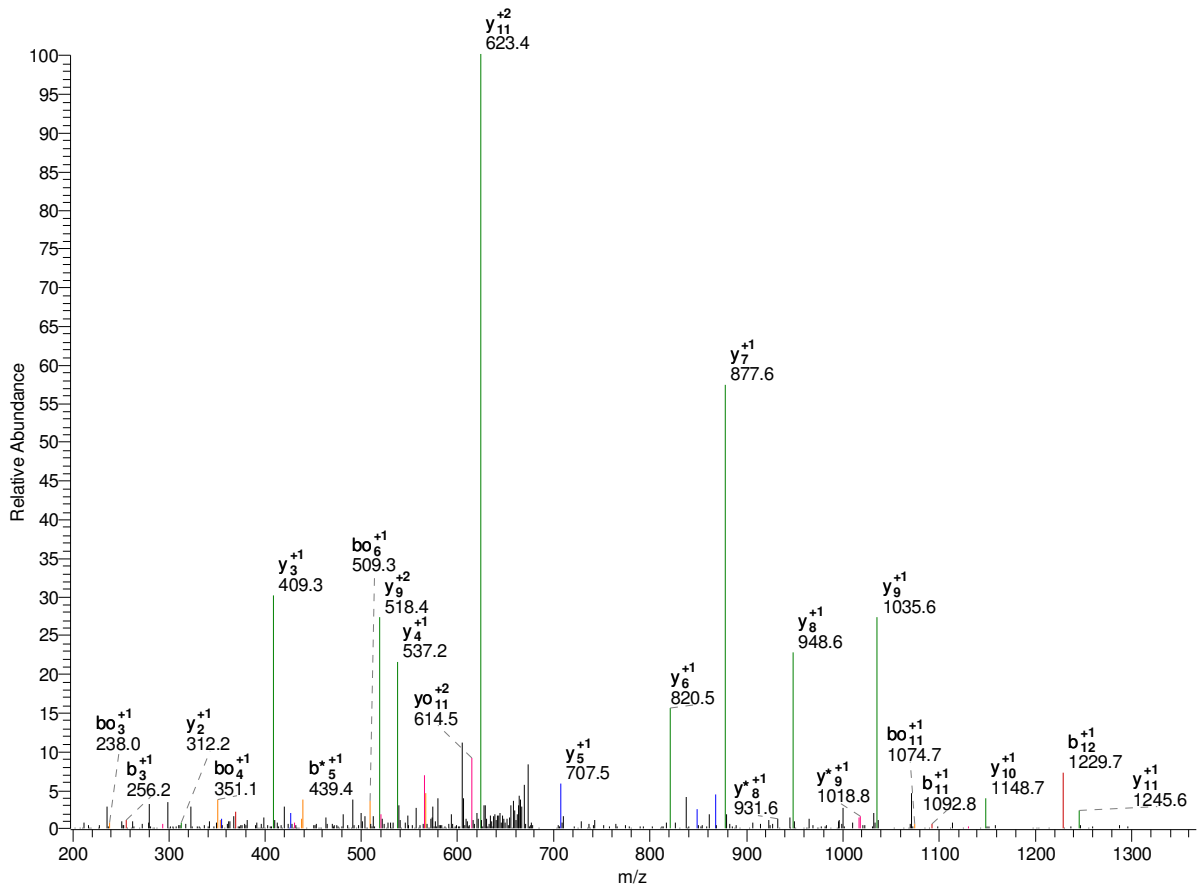
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	13
2	A	159.08	142.05	141.07	1362.66	1345.63	1344.65	12
3	M	290.12	273.09	272.11	1291.62	1274.59	1273.61	11
4	A	361.15	344.13	343.14	1160.58	1143.55	1142.57	10
5	T	462.20	445.18	444.19	1089.54	1072.52	1071.53	9
6	K*	632.31	615.28	614.30	988.49	971.47	970.48	8
7	D	747.33	730.31	729.32	818.39	801.36	800.38	7
8	V	846.40	829.38	828.39	703.36	686.34	685.35	6
9	A	917.44	900.41	899.43	604.29	587.27	586.28	5
10	Q	1045.50	1028.47	1027.49	533.26	516.23	515.25	4
11	E	1174.54	1157.51	1156.53	405.20	388.17	387.19	3
12	E	1303.58	1286.56	1285.57	276.16	259.13	258.14	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	13
2	A	80.04	71.53	71.04	681.83	673.32	672.83	12
3	M	145.56	137.05	136.56	646.31	637.80	637.31	11
4	A	181.08	172.57	172.08	580.79	572.28	571.79	10
5	T	231.60	223.09	222.60	545.27	536.76	536.27	9
6	K*	316.66	308.14	307.65	494.75	486.24	485.75	8
7	D	374.17	365.66	365.17	409.70	401.18	400.69	7

8	V	423.70	415.19	414.70	352.18	343.67	343.18	6
9	A	459.22	450.71	450.22	302.65	294.14	293.65	5
10	Q	523.25	514.74	514.25	267.13	258.62	258.13	4
11	E	587.77	579.26	578.77	203.10	194.59	194.10	3
12	E	652.30	643.78	643.29	138.58	130.07	129.58	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1403.81 K.SAPISAGIK*KPHR.Y
 psu|PFF0510w | organism=Plasmodium_falciparum_3D7 | product=histone H3, putative |
 location=MAL6:44 28 - 41
 #675-675 NL: 9.23E2



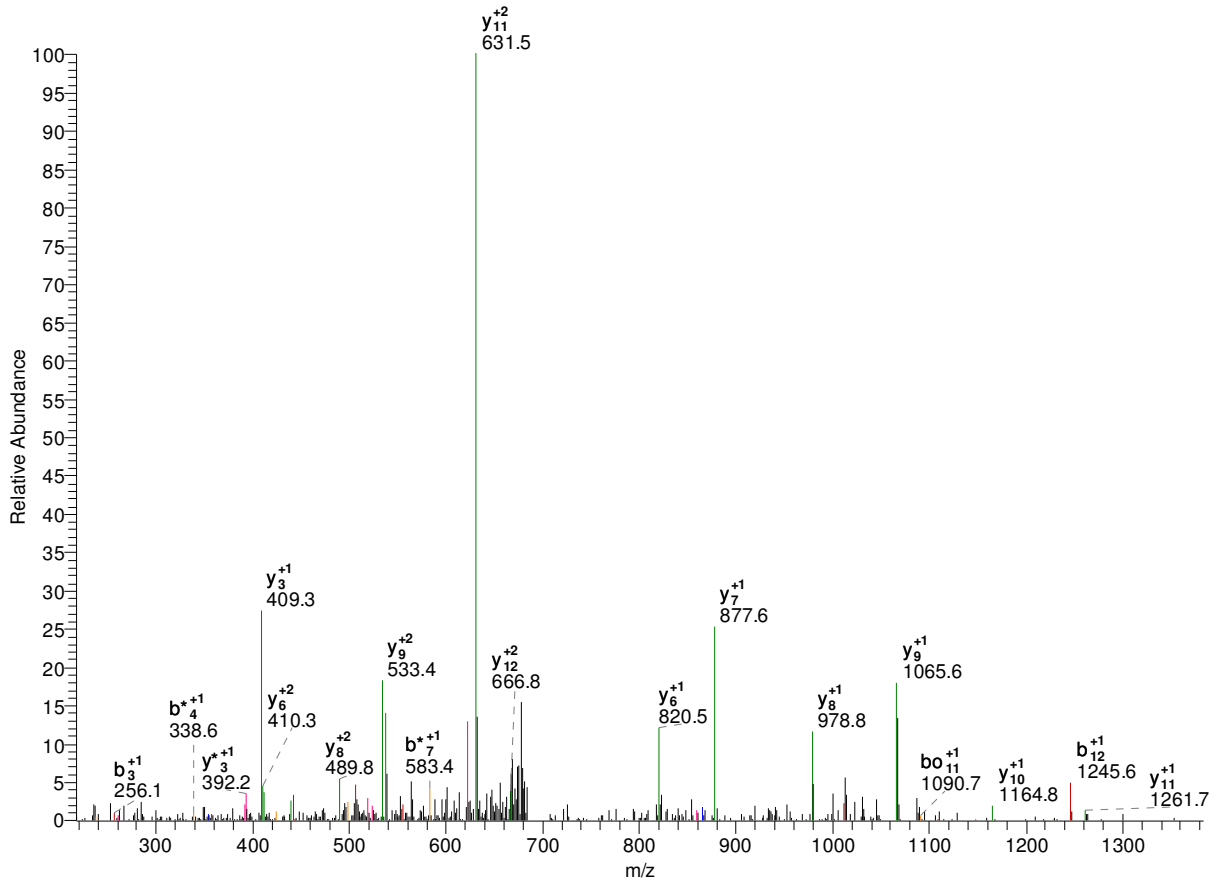
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	13
2	A	159.08	142.05	141.07	1316.78	1299.75	1298.77	12
3	P	256.13	239.10	238.12	1245.74	1228.72	1227.73	11
4	I	369.21	352.19	351.20	1148.69	1131.66	1130.68	10
5	S	456.25	439.22	438.23	1035.61	1018.58	1017.60	9
6	A	527.28	510.26	509.27	948.57	931.55	930.56	8
7	G	584.30	567.28	566.29	877.54	860.51	859.53	7
8	I	697.39	680.36	679.38	820.52	803.49	802.50	6
9	K*	867.49	850.47	849.48	707.43	690.40	689.42	5
10	K	995.59	978.56	977.58	537.33	520.30	519.32	4
11	P	1092.64	1075.61	1074.63	409.23	392.20	391.22	3
12	H	1229.70	1212.67	1211.69	312.18	295.15	294.17	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	13
2	A	80.04	71.53	71.04	658.89	650.38	649.89	12
3	P	128.57	120.05	119.56	623.37	614.86	614.37	11
4	I	185.11	176.60	176.10	574.85	566.34	565.84	10
5	S	228.63	220.11	219.62	518.31	509.79	509.30	9
6	A	264.14	255.63	255.14	474.79	466.28	465.79	8
7	G	292.66	284.14	283.65	439.27	430.76	430.27	7

8	I	349.20	340.68	340.19	410.76	402.25	401.76	6
9	K*	434.25	425.74	425.25	354.22	345.71	345.21	5
10	K	498.30	489.78	489.29	269.17	260.65	260.16	4
11	P	546.82	538.31	537.82	205.12	196.61	196.11	3
12	H	615.35	606.84	606.35	156.59	148.08	147.59	2
13	R	-	-	-	88.06	79.55	79.06	1

-

1403.81 K.SAPVSTGIK*KPHR.Y
 psu|PFF0510w | organism=Plasmodium_falciparum_3D7 | product=histone H3, putative |
 location=MAL6:44 28 - 41
 #564-564 NL: 5.91E2



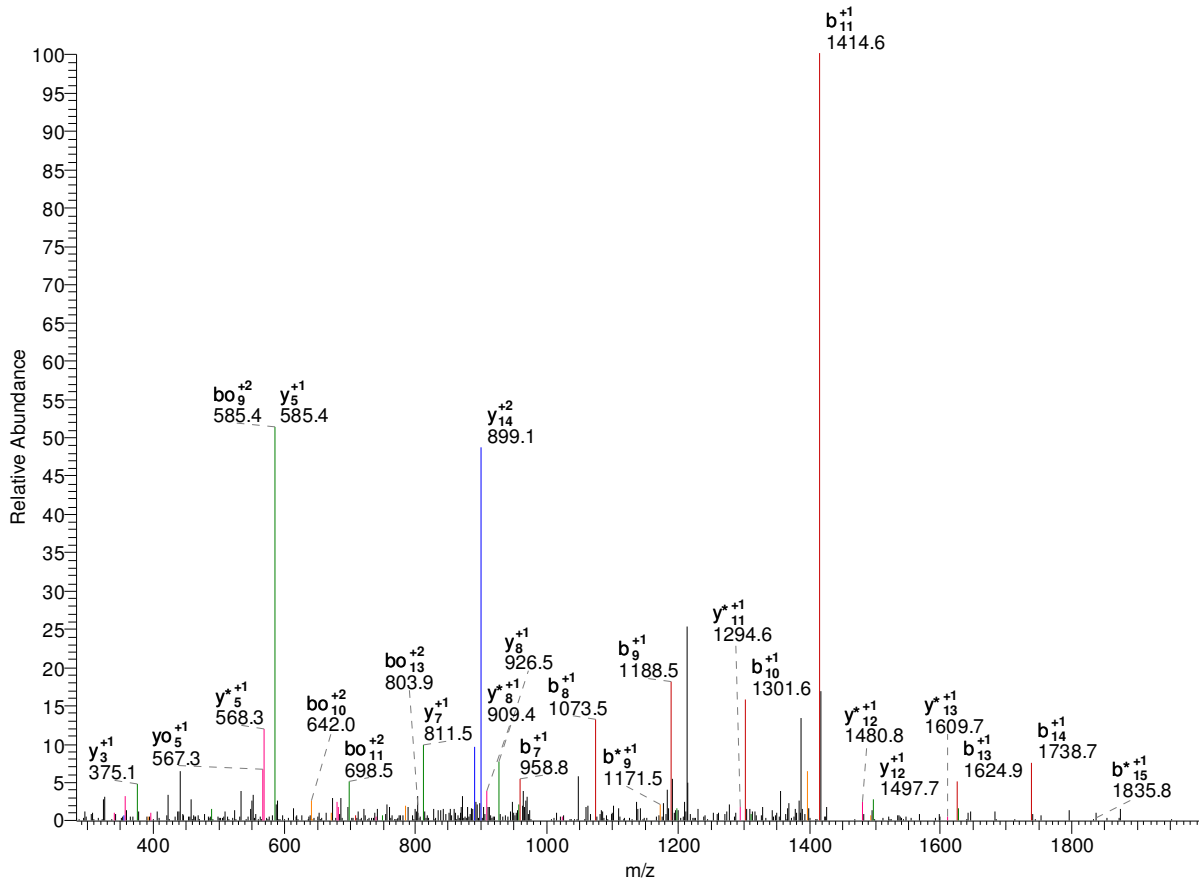
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	13
2	A	159.08	142.05	141.07	1332.77	1315.75	1314.76	12
3	P	256.13	239.10	238.12	1261.74	1244.71	1243.73	11
4	V	355.20	338.17	337.19	1164.68	1147.66	1146.67	10
5	S	442.23	425.20	424.22	1065.62	1048.59	1047.61	9
6	T	543.28	526.25	525.27	978.58	961.56	960.57	8
7	G	600.30	583.27	582.29	877.54	860.51	859.53	7
8	I	713.38	696.36	695.37	820.52	803.49	802.50	6
9	K*	883.49	866.46	865.48	707.43	690.40	689.42	5
10	K	1011.58	994.56	993.57	537.33	520.30	519.32	4
11	P	1108.64	1091.61	1090.63	409.23	392.20	391.22	3
12	H	1245.70	1228.67	1227.68	312.18	295.15	294.17	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	13
2	A	80.04	71.53	71.04	666.89	658.38	657.89	12
3	P	128.57	120.05	119.56	631.37	622.86	622.37	11
4	V	178.10	169.59	169.10	582.85	574.33	573.84	10
5	S	221.62	213.11	212.61	533.31	524.80	524.31	9
6	T	272.14	263.63	263.14	489.80	481.28	480.79	8

7	G	300.65	292.14	291.65	439.27	430.76	430.27	7
8	I	357.20	348.68	348.19	410.76	402.25	401.76	6
9	K*	442.25	433.73	433.24	354.22	345.71	345.21	5
10	K	506.30	497.78	497.29	269.17	260.65	260.16	4
11	P	554.82	546.31	545.82	205.12	196.61	196.11	3
12	H	623.35	614.84	614.35	156.59	148.08	147.59	2
13	R	-	-	-	88.06	79.55	79.06	1

-

1998.99 K.SDK*EWNRDDLLPLNNK.I
 psu|PF13_0141 | organism=Plasmodium_falciparum_3D7 | product=L-lactate dehydrogenase |
 location=MAL 88 - 104
 #5623-5623 NL: 4.54E2



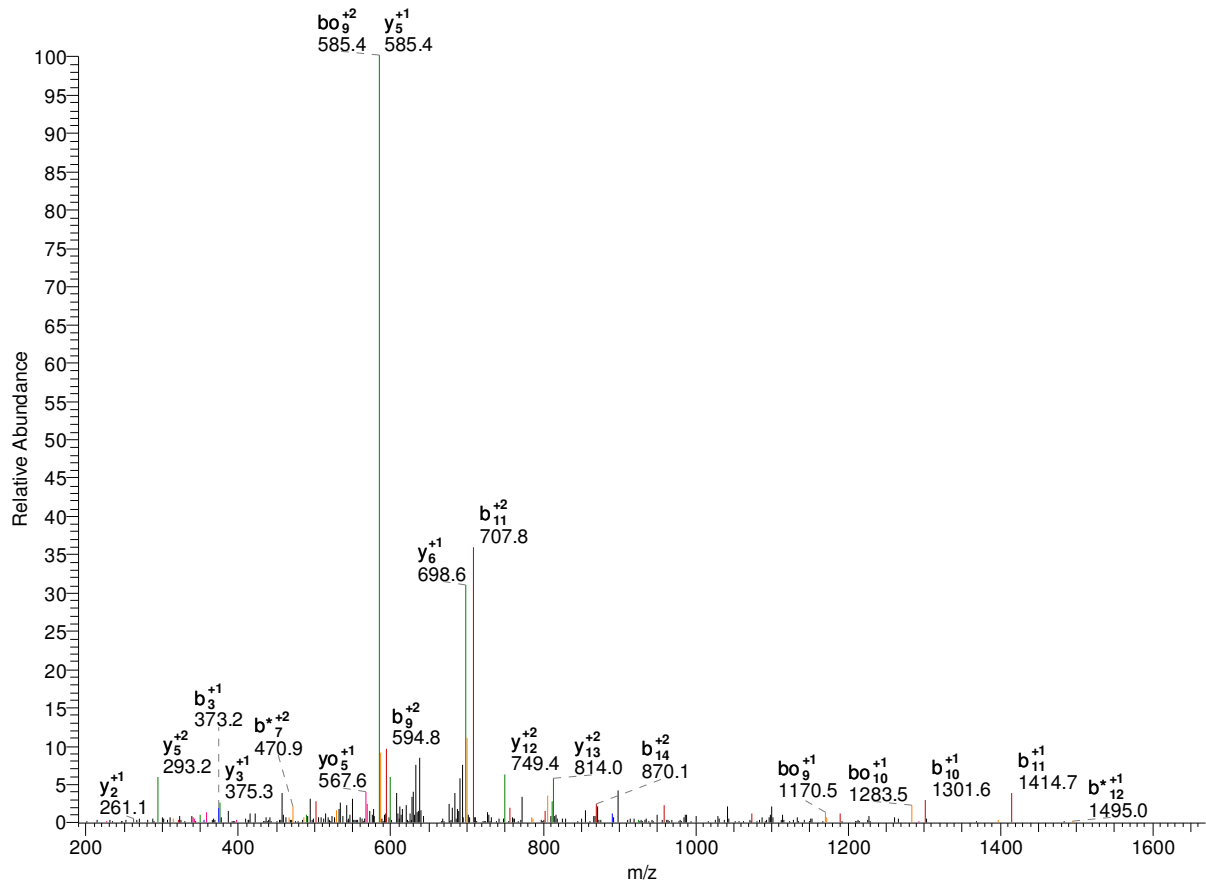
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	16
2	D	203.07	186.04	185.06	1911.96	1894.93	1893.95	15
3	K*	373.17	356.15	355.16	1796.93	1779.90	1778.92	14
4	E	502.21	485.19	484.20	1626.82	1609.80	1608.81	13
5	W	688.29	671.27	670.28	1497.78	1480.75	1479.77	12
6	N	802.34	785.31	784.33	1311.70	1294.67	1293.69	11
7	R	958.44	941.41	940.43	1197.66	1180.63	1179.65	10
8	D	1073.46	1056.44	1055.45	1041.56	1024.53	1023.55	9
9	D	1188.49	1171.47	1170.48	926.53	909.50	908.52	8
10	L	1301.58	1284.55	1283.57	811.50	794.48	793.49	7
11	L	1414.66	1397.63	1396.65	698.42	681.39	680.41	6
12	P	1511.71	1494.69	1493.70	585.34	568.31	567.32	5
13	L	1624.80	1607.77	1606.79	488.28	471.26	470.27	4
14	N	1738.84	1721.81	1720.83	375.20	358.17	357.19	3
15	N	1852.88	1835.86	1834.87	261.16	244.13	243.15	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	16
2	D	102.04	93.52	93.03	956.48	947.97	947.48	15
3	K*	187.09	178.58	178.08	898.97	890.45	889.96	14

4	E	251.61	243.10	242.61	813.92	805.40	804.91	13
5	W	344.65	336.14	335.65	749.39	740.88	740.39	12
6	N	401.67	393.16	392.67	656.35	647.84	647.35	11
7	R	479.72	471.21	470.72	599.33	590.82	590.33	10
8	D	537.24	528.72	528.23	521.28	512.77	512.28	9
9	D	594.75	586.24	585.74	463.77	455.26	454.76	8
10	L	651.29	642.78	642.29	406.26	397.74	397.25	7
11	L	707.83	699.32	698.83	349.71	341.20	340.71	6
12	P	756.36	747.85	747.35	293.17	284.66	284.17	5
13	L	812.90	804.39	803.90	244.64	236.13	235.64	4
14	N	869.92	861.41	860.92	188.10	179.59	179.10	3
15	N	926.94	918.43	917.94	131.08	122.57	122.08	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1998.99 K.SDK*EWNRDDLLPLNNK.I
 psu|PF13_0141 | organism=Plasmodium_falciparum_3D7 | product=L-lactate dehydrogenase |
 location=MAL 88 - 104
 #4739-4739 NL: 7.68E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	16
2	D	203.07	186.04	185.06	1911.96	1894.93	1893.95	15
3	K*	373.17	356.15	355.16	1796.93	1779.90	1778.92	14
4	E	502.21	485.19	484.20	1626.82	1609.80	1608.81	13
5	W	688.29	671.27	670.28	1497.78	1480.75	1479.77	12
6	N	802.34	785.31	784.33	1311.70	1294.67	1293.69	11
7	R	958.44	941.41	940.43	1197.66	1180.63	1179.65	10
8	D	1073.46	1056.44	1055.45	1041.56	1024.53	1023.55	9
9	D	1188.49	1171.47	1170.48	926.53	909.50	908.52	8
10	L	1301.58	1284.55	1283.57	811.50	794.48	793.49	7
11	L	1414.66	1397.63	1396.65	698.42	681.39	680.41	6
12	P	1511.71	1494.69	1493.70	585.34	568.31	567.32	5
13	L	1624.80	1607.77	1606.79	488.28	471.26	470.27	4
14	N	1738.84	1721.81	1720.83	375.20	358.17	357.19	3
15	N	1852.88	1835.86	1834.87	261.16	244.13	243.15	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	16
2	D	102.04	93.52	93.03	956.48	947.97	947.48	15
3	K*	187.09	178.58	178.08	898.97	890.45	889.96	14

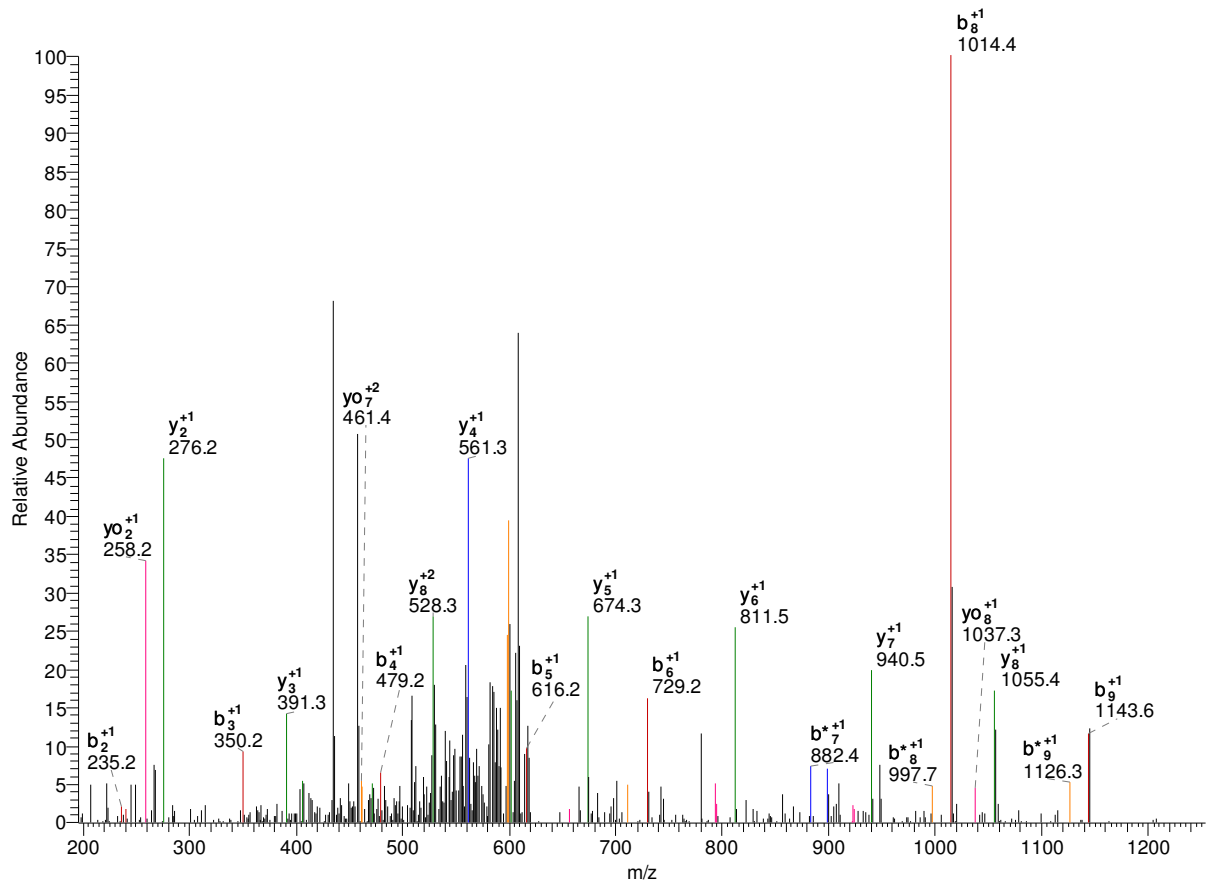
4	E	251.61	243.10	242.61	813.92	805.40	804.91	13
5	W	344.65	336.14	335.65	749.39	740.88	740.39	12
6	N	401.67	393.16	392.67	656.35	647.84	647.35	11
7	R	479.72	471.21	470.72	599.33	590.82	590.33	10
8	D	537.24	528.72	528.23	521.28	512.77	512.28	9
9	D	594.75	586.24	585.74	463.77	455.26	454.76	8
10	L	651.29	642.78	642.29	406.26	397.74	397.25	7
11	L	707.83	699.32	698.83	349.71	341.20	340.71	6
12	P	756.36	747.85	747.35	293.17	284.66	284.17	5
13	L	812.90	804.39	803.90	244.64	236.13	235.64	4
14	N	869.92	861.41	860.92	188.10	179.59	179.10	3
15	N	926.94	918.43	917.94	131.08	122.57	122.08	2
16	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	S	30.02	24.34	24.01	-	-	-	16
2	D	68.36	62.68	62.36	637.99	632.31	631.99	15
3	K*	125.06	119.39	119.06	599.65	593.97	593.64	14
4	E	168.08	162.40	162.07	542.95	537.27	536.94	13
5	W	230.10	224.43	224.10	499.93	494.26	493.93	12
6	N	268.12	262.44	262.11	437.91	432.23	431.90	11
7	R	320.15	314.48	314.15	399.89	394.22	393.89	10
8	D	358.49	352.82	352.49	347.86	342.18	341.85	9
9	D	396.84	391.16	390.83	309.52	303.84	303.51	8
10	L	434.53	428.85	428.53	271.17	265.50	265.17	7
11	L	472.22	466.55	466.22	233.48	227.80	227.47	6
12	P	504.58	498.90	498.57	195.78	190.11	189.78	5
13	L	542.27	536.59	536.27	163.43	157.76	157.43	4
14	N	580.28	574.61	574.28	125.74	120.06	119.73	3
15	N	618.30	612.62	612.30	87.72	82.05	81.72	2
16	K	-	-	-	49.71	44.03	43.71	1

-

1998.99 K.SFDEHLK*DEK.I
 psu|PF13_0141 | organism=Plasmodium_falciparum_3D7 | product=L-lactate dehydrogenase |
 location=MAL 88 - 104
 #1216-1216 NL: 1.92E2



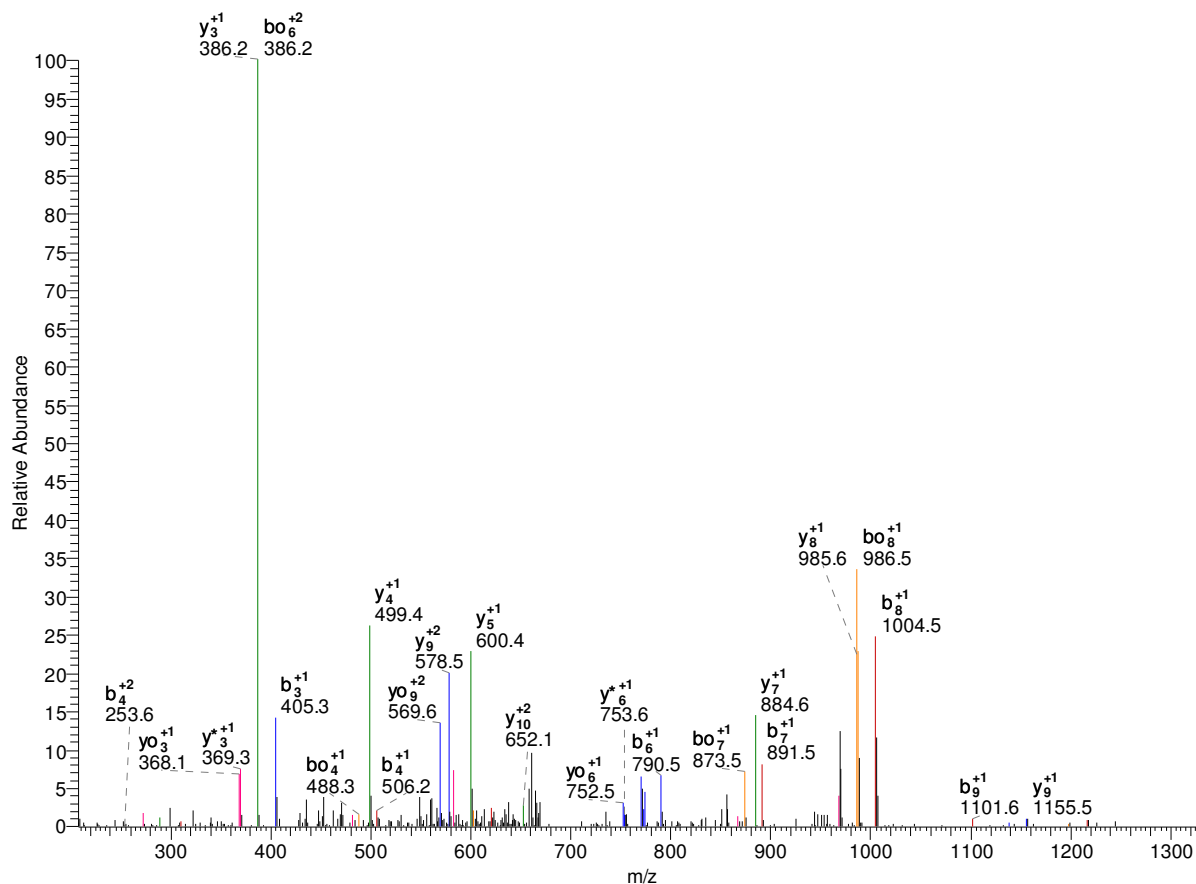
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	10
2	F	235.11	218.08	217.10	1202.57	1185.54	1184.56	9
3	D	350.13	333.11	332.12	1055.50	1038.47	1037.49	8
4	E	479.18	462.15	461.17	940.47	923.45	922.46	7
5	H	616.24	599.21	598.23	811.43	794.40	793.42	6
6	L	729.32	712.29	711.31	674.37	657.35	656.36	5
7	K*	899.43	882.40	881.42	561.29	544.26	543.28	4
8	D	1014.45	997.43	996.44	391.18	374.16	373.17	3
9	E	1143.50	1126.47	1125.48	276.16	259.13	258.14	2
10	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	10
2	F	118.06	109.54	109.05	601.79	593.27	592.78	9
3	D	175.57	167.06	166.57	528.25	519.74	519.25	8
4	E	240.09	231.58	231.09	470.74	462.23	461.74	7
5	H	308.62	300.11	299.62	406.22	397.71	397.21	6
6	L	365.16	356.65	356.16	337.69	329.18	328.68	5
7	K*	450.22	441.70	441.21	281.15	272.63	272.14	4
8	D	507.73	499.22	498.72	196.09	187.58	187.09	3
9	E	572.25	563.74	563.25	138.58	130.07	129.58	2

10	K	-	-	-	74.06	65.55	65.05	1
----	---	---	---	---	-------	-------	-------	---

-

1389.75 K.SFK*TNK*TLPNR.T
 psu|PF13_0185 | organism=Plasmodium_falciparum_3D7 | product=histone h3, putative |
 location=MAL13: 21 - 32
 #1897-1897 NL:5.25E2



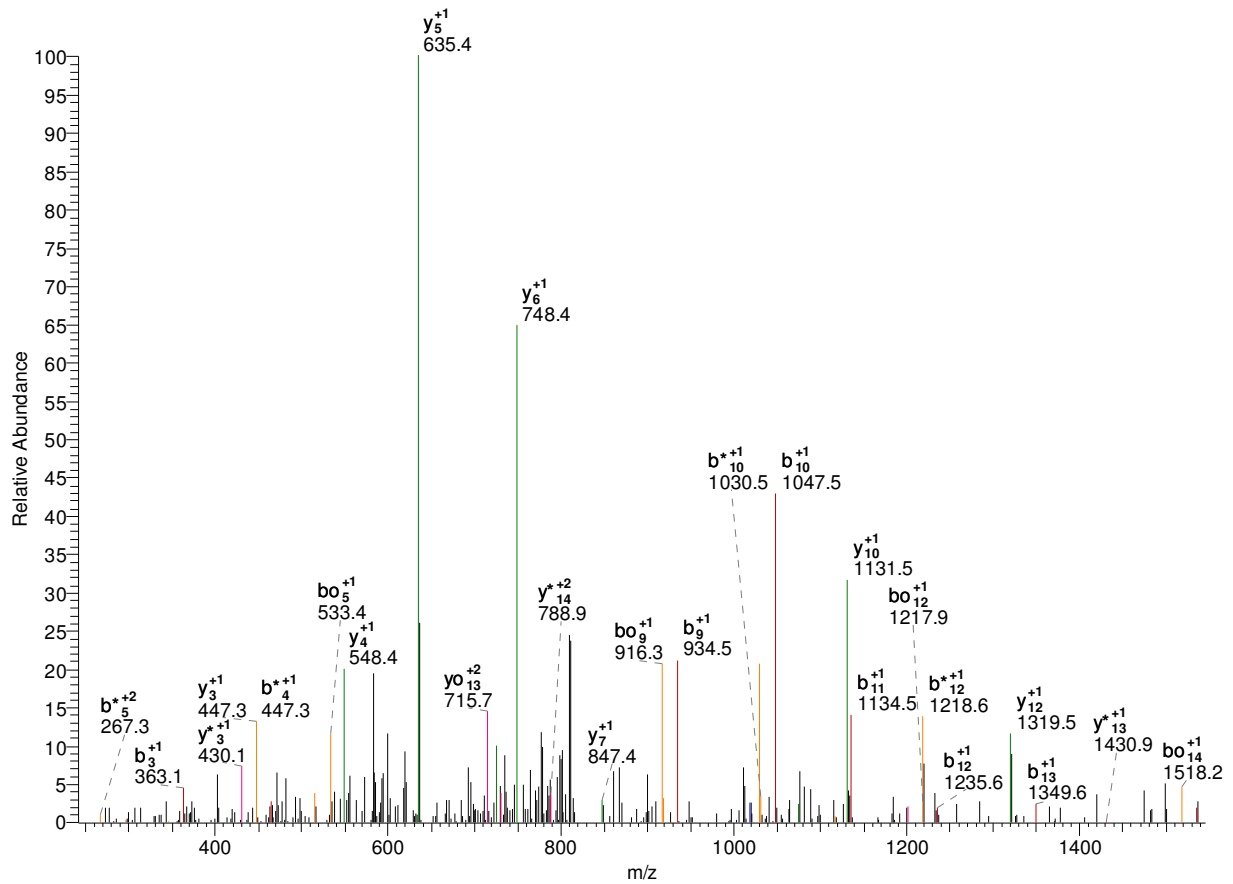
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	11
2	F	235.11	218.08	217.10	1302.72	1285.69	1284.71	10
3	K*	405.21	388.19	387.20	1155.65	1138.62	1137.64	9
4	T	506.26	489.23	488.25	985.54	968.52	967.53	8
5	N	620.30	603.28	602.29	884.49	867.47	866.48	7
6	K*	790.41	773.38	772.40	770.45	753.43	752.44	6
7	T	891.46	874.43	873.45	600.35	583.32	582.34	5
8	L	1004.54	987.51	986.53	499.30	482.27	481.29	4
9	P	1101.59	1084.57	1083.58	386.21	369.19	368.20	3
10	N	1215.64	1198.61	1197.63	289.16	272.14	271.15	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	11
2	F	118.06	109.54	109.05	651.86	643.35	642.86	10
3	K*	203.11	194.60	194.10	578.33	569.81	569.32	9
4	T	253.63	245.12	244.63	493.27	484.76	484.27	8
5	N	310.66	302.14	301.65	442.75	434.24	433.75	7
6	K*	395.71	387.20	386.70	385.73	377.22	376.72	6
7	T	446.23	437.72	437.23	300.68	292.16	291.67	5
8	L	502.77	494.26	493.77	250.15	241.64	241.15	4

9	P	551.30	542.79	542.30	193.61	185.10	184.61	3
10	N	608.32	599.81	599.32	145.08	136.57	136.08	2
11	R	-	-	-	88.06	79.55	79.06	1

-

1681.85 K.SFQTSGGK*VLSTNWK.D
 psu|PF11610c | organism=Plasmodium_falciparum_3D7 | product=calcylin binding protein-
 like, putative 117 - 132
 #3857-3857 NL: 1.35E2



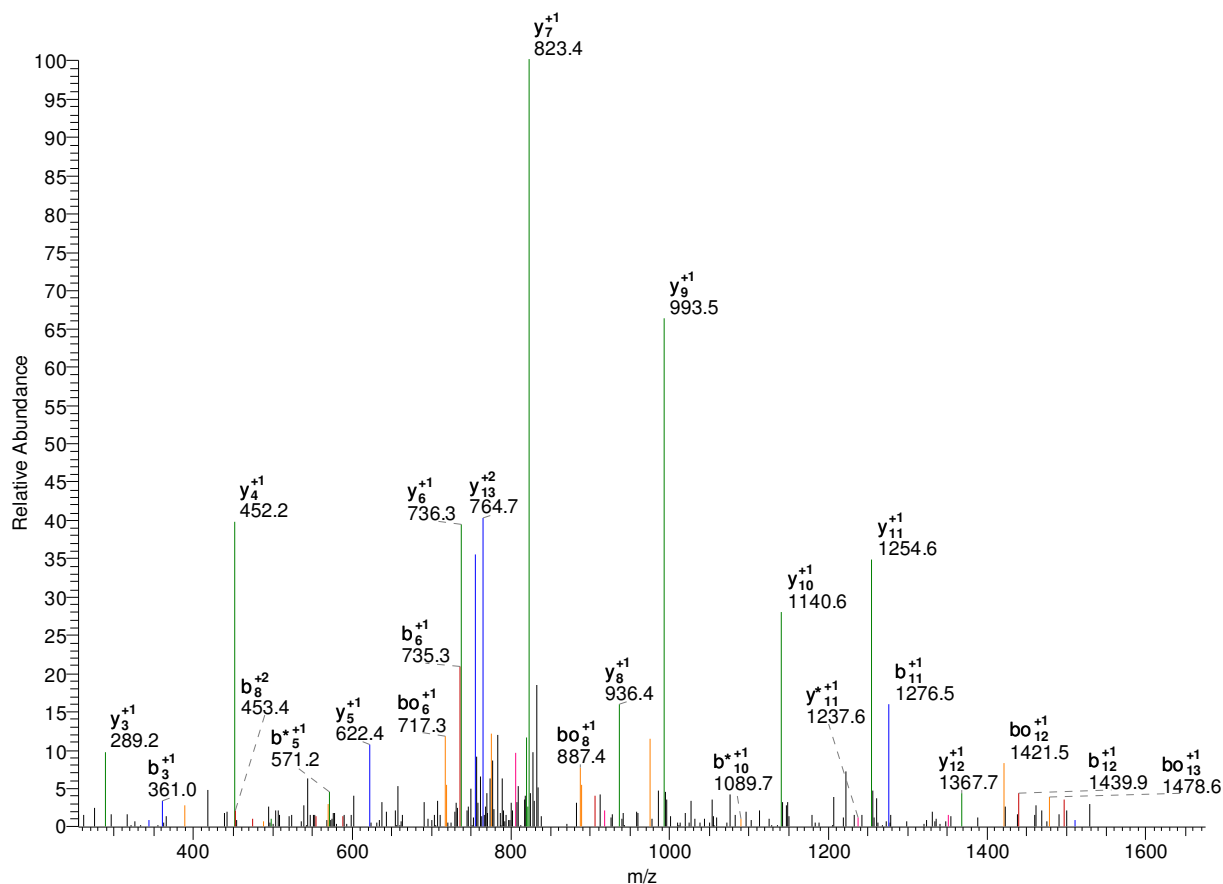
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	15
2	F	235.11	218.08	217.10	1594.82	1577.80	1576.81	14
3	Q	363.17	346.14	345.16	1447.75	1430.73	1429.74	13
4	T	464.21	447.19	446.20	1319.70	1302.67	1301.68	12
5	S	551.25	534.22	533.24	1218.65	1201.62	1200.64	11
6	G	608.27	591.24	590.26	1131.62	1114.59	1113.61	10
7	G	665.29	648.26	647.28	1074.59	1057.57	1056.58	9
8	K*	835.39	818.37	817.38	1017.57	1000.55	999.56	8
9	V	934.46	917.44	916.45	847.47	830.44	829.46	7
10	L	1047.55	1030.52	1029.54	748.40	731.37	730.39	6
11	S	1134.58	1117.55	1116.57	635.31	618.29	617.30	5
12	T	1235.63	1218.60	1217.62	548.28	531.26	530.27	4
13	N	1349.67	1332.64	1331.66	447.24	430.21	429.22	3
14	W	1535.75	1518.72	1517.74	333.19	316.17	315.18	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	15
2	F	118.06	109.54	109.05	797.91	789.40	788.91	14
3	Q	182.09	173.57	173.08	724.38	715.87	715.38	13
4	T	232.61	224.10	223.61	660.35	651.84	651.35	12

5	S	276.13	267.61	267.12	609.83	601.31	600.82	11
6	G	304.64	296.12	295.63	566.31	557.80	557.31	10
7	G	333.15	324.63	324.14	537.80	529.29	528.80	9
8	K*	418.20	409.69	409.20	509.29	500.78	500.28	8
9	V	467.74	459.22	458.73	424.24	415.72	415.23	7
10	L	524.28	515.76	515.27	374.70	366.19	365.70	6
11	S	567.79	559.28	558.79	318.16	309.65	309.16	5
12	T	618.32	609.80	609.31	274.64	266.13	265.64	4
13	N	675.34	666.83	666.33	224.12	215.61	215.12	3
14	W	768.38	759.86	759.37	167.10	158.59	158.09	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1727.85 K.SIC@LNFGSLNK*YGGR.T
 psu|PF13_0170 | organism=Plasmodium_falciparum_3D7 | product=glutaminyl-tRNA
 synthetase, putative | 300 - 315
 #5653-5653 NL: 1.33E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	15
2	I	201.12	184.10	183.11	1640.82	1623.79	1622.81	14
3	C@	361.15	344.13	343.14	1527.74	1510.71	1509.73	13
4	L	474.24	457.21	456.23	1367.71	1350.68	1349.70	12
5	N	588.28	571.25	570.27	1254.62	1237.60	1236.61	11
6	F	735.35	718.32	717.34	1140.58	1123.55	1122.57	10
7	G	792.37	775.34	774.36	993.51	976.48	975.50	9
8	L	905.45	888.43	887.44	936.49	919.46	918.48	8
9	S	992.49	975.46	974.48	823.41	806.38	805.40	7
10	N	1106.53	1089.50	1088.52	736.37	719.35	718.36	6
11	K*	1276.64	1259.61	1258.62	622.33	605.30	604.32	5
12	Y	1439.70	1422.67	1421.69	452.23	435.20	434.21	4
13	G	1496.72	1479.69	1478.71	289.16	272.14	271.15	3
14	G	1553.74	1536.72	1535.73	232.14	215.11	214.13	2
15	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	15
2	I	101.07	92.55	92.06	820.91	812.40	811.91	14
3	C@	181.08	172.57	172.08	764.37	755.86	755.37	13
4	L	237.62	229.11	228.62	684.36	675.84	675.35	12

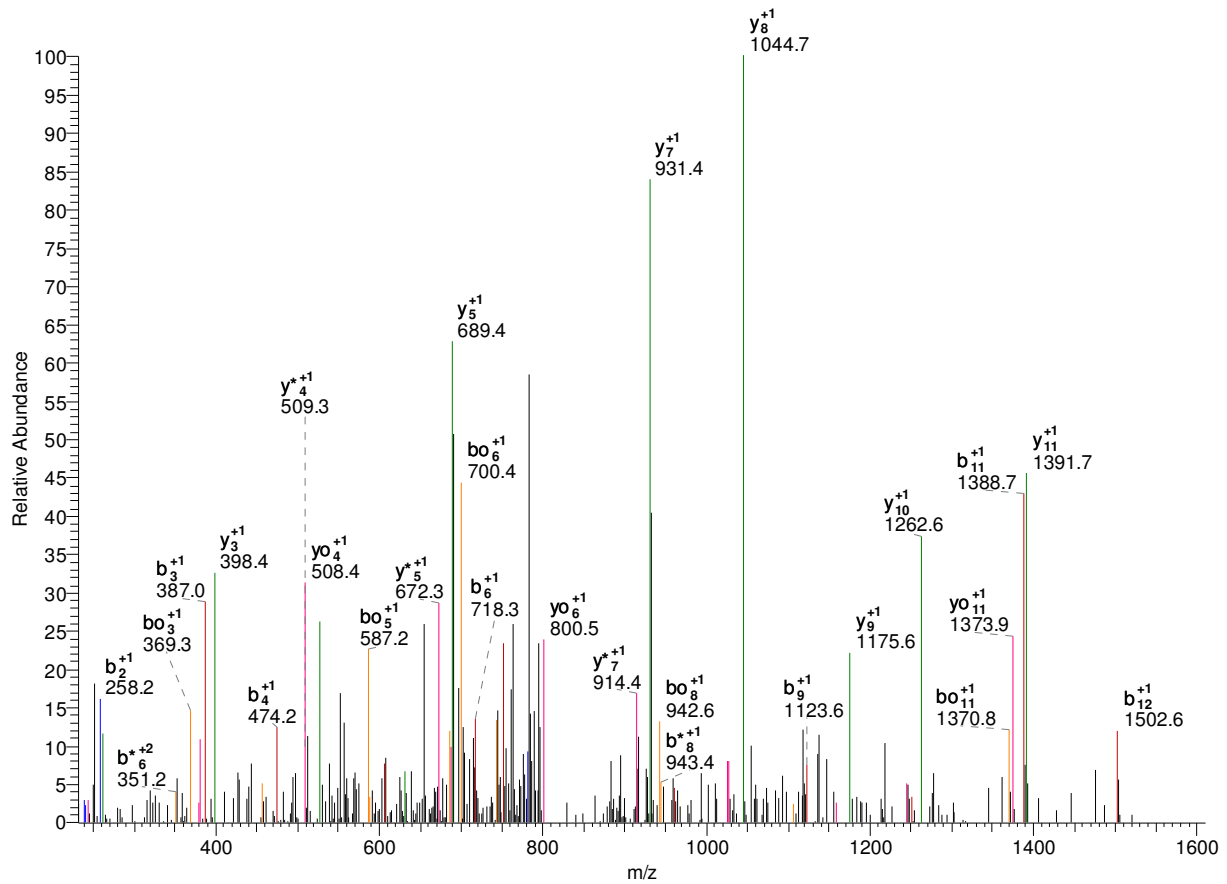
5	N	294.64	286.13	285.64	627.81	619.30	618.81	11
6	F	368.18	359.67	359.17	570.79	562.28	561.79	10
7	G	396.69	388.18	387.68	497.26	488.75	488.25	9
8	L	453.23	444.72	444.23	468.75	460.24	459.74	8
9	S	496.75	488.23	487.74	412.21	403.69	403.20	7
10	N	553.77	545.26	544.76	368.69	360.18	359.69	6
11	K*	638.82	630.31	629.82	311.67	303.16	302.66	5
12	Y	720.35	711.84	711.35	226.62	218.10	217.61	4
13	G	748.86	740.35	739.86	145.08	136.57	136.08	3
14	G	777.37	768.86	768.37	116.57	108.06	107.57	2
15	R	-	-	-	88.06	79.55	79.06	1

—

1648.80 R.SK*ESMLLEYQH.NK.S

psu|PF11_0246 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11: 465 - 478

#3505-3505 NL:9.12E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	13
2	K*	258.14	241.12	240.13	1561.77	1544.74	1543.76	12
3	E	387.19	370.16	369.18	1391.66	1374.64	1373.65	11
4	S	474.22	457.19	456.21	1262.62	1245.59	1244.61	10
5	M	605.26	588.23	587.25	1175.59	1158.56	1157.58	9
6	L	718.34	701.32	700.33	1044.55	1027.52	1026.54	8
7	L	831.43	814.40	813.42	931.46	914.44	913.45	7
8	E	960.47	943.44	942.46	818.38	801.35	800.37	6
9	Y	1123.53	1106.51	1105.52	689.34	672.31	671.33	5
10	Q	1251.59	1234.57	1233.58	526.27	509.25	508.26	4
11	H	1388.65	1371.62	1370.64	398.21	381.19	380.20	3
12	N	1502.69	1485.67	1484.68	261.16	244.13	243.15	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	13
2	K*	129.58	121.06	120.57	781.39	772.87	772.38	12
3	E	194.10	185.58	185.09	696.33	687.82	687.33	11
4	S	237.61	229.10	228.61	631.81	623.30	622.81	10
5	M	303.13	294.62	294.13	588.30	579.78	579.29	9
6	L	359.68	351.16	350.67	522.78	514.26	513.77	8

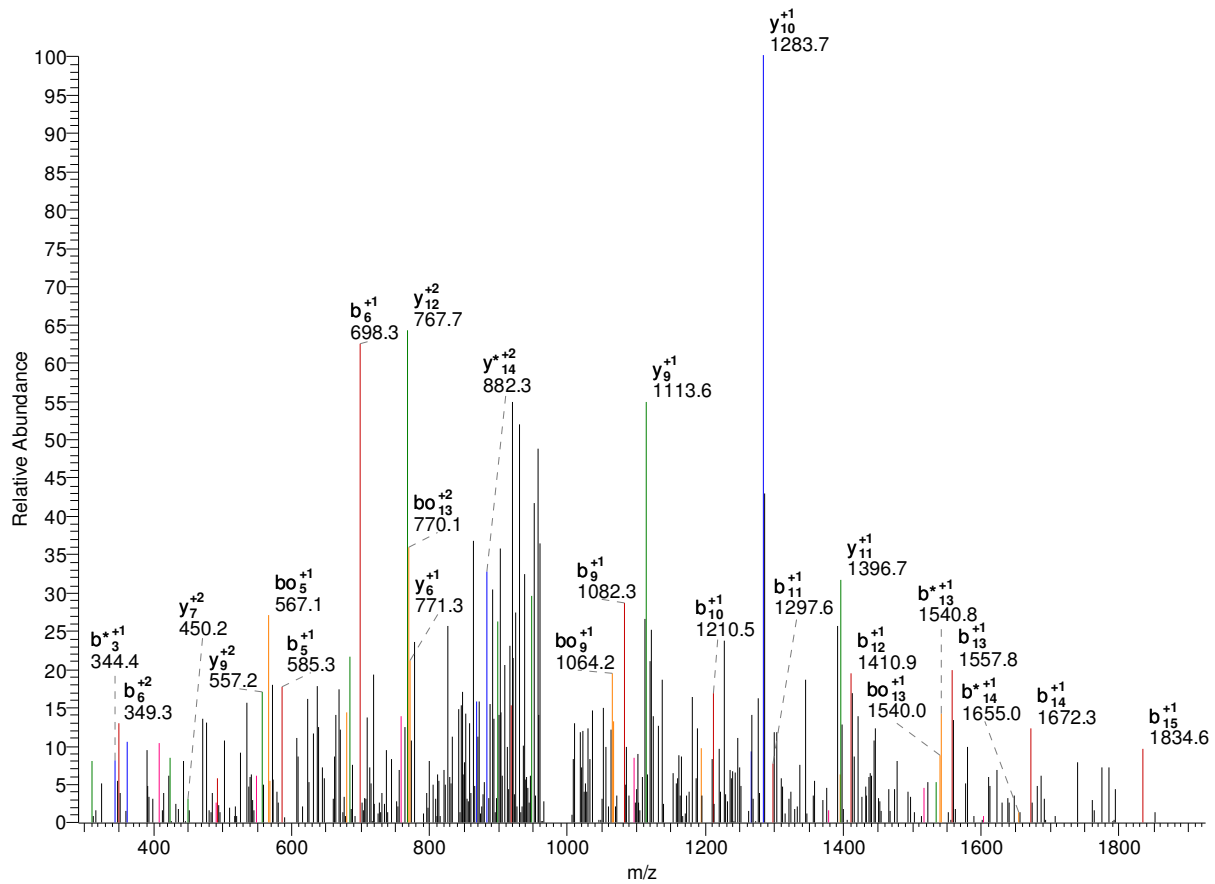
7	L	416.22	407.70	407.21	466.24	457.72	457.23	7
8	E	480.74	472.23	471.73	409.69	401.18	400.69	6
9	Y	562.27	553.76	553.27	345.17	336.66	336.17	5
10	Q	626.30	617.79	617.29	263.64	255.13	254.63	4
11	H	694.83	686.32	685.82	199.61	191.10	190.61	3
12	N	751.85	743.34	742.85	131.08	122.57	122.08	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1980.98 [K.SLC@SHIK*DVQSLFNYK.E](#)

psu|PFB0835c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL2:73 288 - 304

#7602-7602 NL: 4.53E1



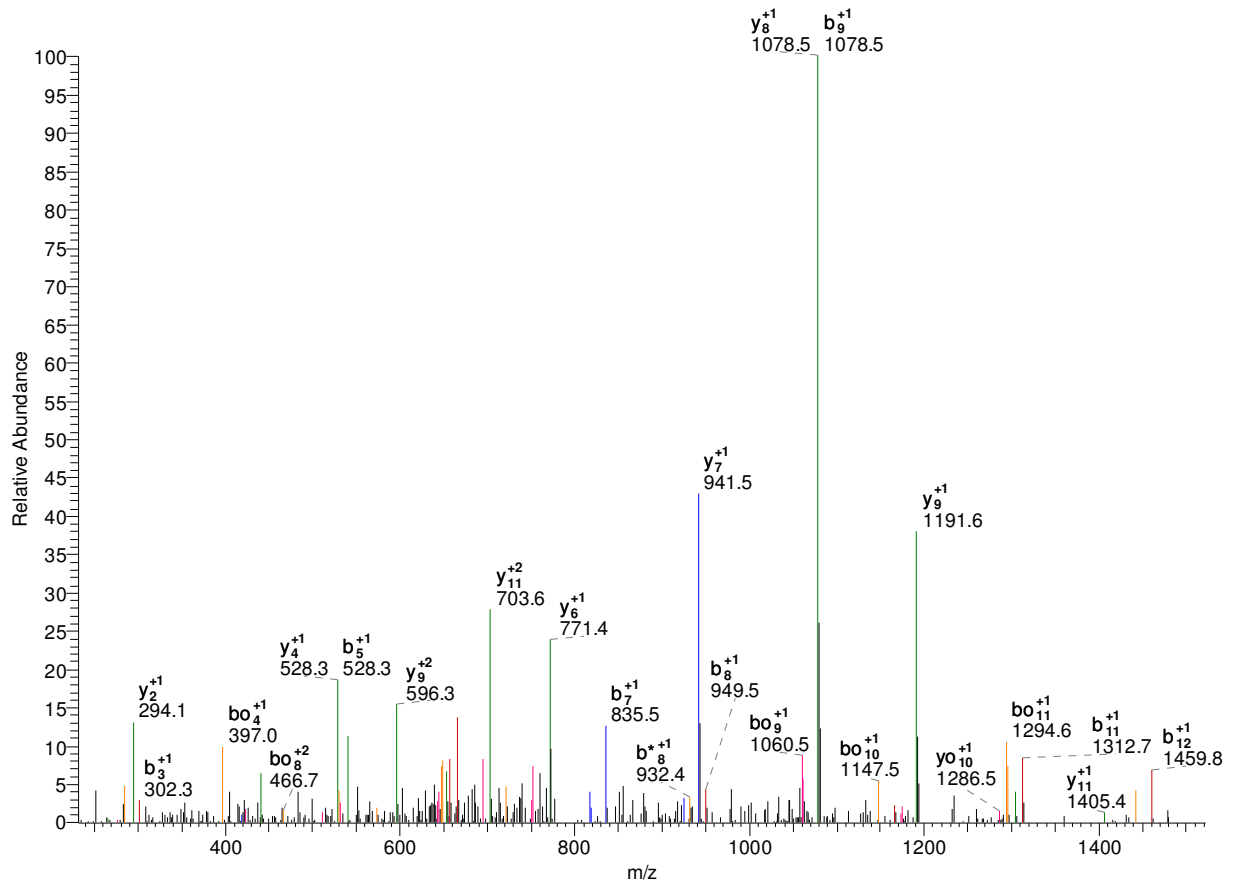
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	16
2	L	201.12	184.10	183.11	1893.95	1876.93	1875.94	15
3	C@	361.15	344.13	343.14	1780.87	1763.84	1762.86	14
4	S	448.19	431.16	430.18	1620.84	1603.81	1602.83	13
5	H	585.24	568.22	567.23	1533.81	1516.78	1515.80	12
6	I	698.33	681.30	680.32	1396.75	1379.72	1378.74	11
7	K*	868.43	851.41	850.42	1283.66	1266.64	1265.65	10
8	D	983.46	966.43	965.45	1113.56	1096.53	1095.55	9
9	V	1082.53	1065.50	1064.52	998.53	981.50	980.52	8
10	Q	1210.59	1193.56	1192.58	899.46	882.44	881.45	7
11	S	1297.62	1280.59	1279.61	771.40	754.38	753.39	6
12	L	1410.70	1393.68	1392.69	684.37	667.34	666.36	5
13	F	1557.77	1540.75	1539.76	571.29	554.26	553.28	4
14	N	1671.82	1654.79	1653.81	424.22	407.19	406.21	3
15	Y	1834.88	1817.85	1816.87	310.18	293.15	292.17	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	16
2	L	101.07	92.55	92.06	947.48	938.97	938.47	15
3	C@	181.08	172.57	172.08	890.94	882.42	881.93	14

4	S	224.60	216.08	215.59	810.92	802.41	801.92	13
5	H	293.13	284.61	284.12	767.41	758.89	758.40	12
6	I	349.67	341.15	340.66	698.88	690.36	689.87	11
7	K*	434.72	426.21	425.72	642.34	633.82	633.33	10
8	D	492.23	483.72	483.23	557.28	548.77	548.28	9
9	V	541.77	533.26	532.76	499.77	491.26	490.76	8
10	Q	605.80	597.28	596.79	450.23	441.72	441.23	7
11	S	649.31	640.80	640.31	386.21	377.69	377.20	6
12	L	705.86	697.34	696.85	342.69	334.18	333.68	5
13	F	779.39	770.88	770.38	286.15	277.63	277.14	4
14	N	836.41	827.90	827.41	212.61	204.10	203.61	3
15	Y	917.94	909.43	908.94	155.59	147.08	146.59	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1605.86 K.SLTILHK*NESFFK.H
 psu|PF13_0179 | organism=Plasmodium_falciparum_3D7 | product=isoleucine--tRNA ligase,
 putative | lo1051 - 1064
 #6187-6187 NL:2.86E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	13
2	L	201.12	184.10	183.11	1518.83	1501.80	1500.82	12
3	T	302.17	285.14	284.16	1405.75	1388.72	1387.74	11
4	I	415.26	398.23	397.24	1304.70	1287.67	1286.69	10
5	L	528.34	511.31	510.33	1191.62	1174.59	1173.61	9
6	H	665.40	648.37	647.39	1078.53	1061.51	1060.52	8
7	K*	835.50	818.48	817.49	941.47	924.45	923.46	7
8	N	949.55	932.52	931.54	771.37	754.34	753.36	6
9	E	1078.59	1061.56	1060.58	657.32	640.30	639.31	5
10	S	1165.62	1148.59	1147.61	528.28	511.26	510.27	4
11	F	1312.69	1295.66	1294.68	441.25	424.22	423.24	3
12	F	1459.76	1442.73	1441.75	294.18	277.15	276.17	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	13
2	L	101.07	92.55	92.06	759.92	751.41	750.91	12
3	T	151.59	143.08	142.58	703.38	694.86	694.37	11
4	I	208.13	199.62	199.13	652.85	644.34	643.85	10
5	L	264.67	256.16	255.67	596.31	587.80	587.31	9
6	H	333.20	324.69	324.20	539.77	531.26	530.76	8

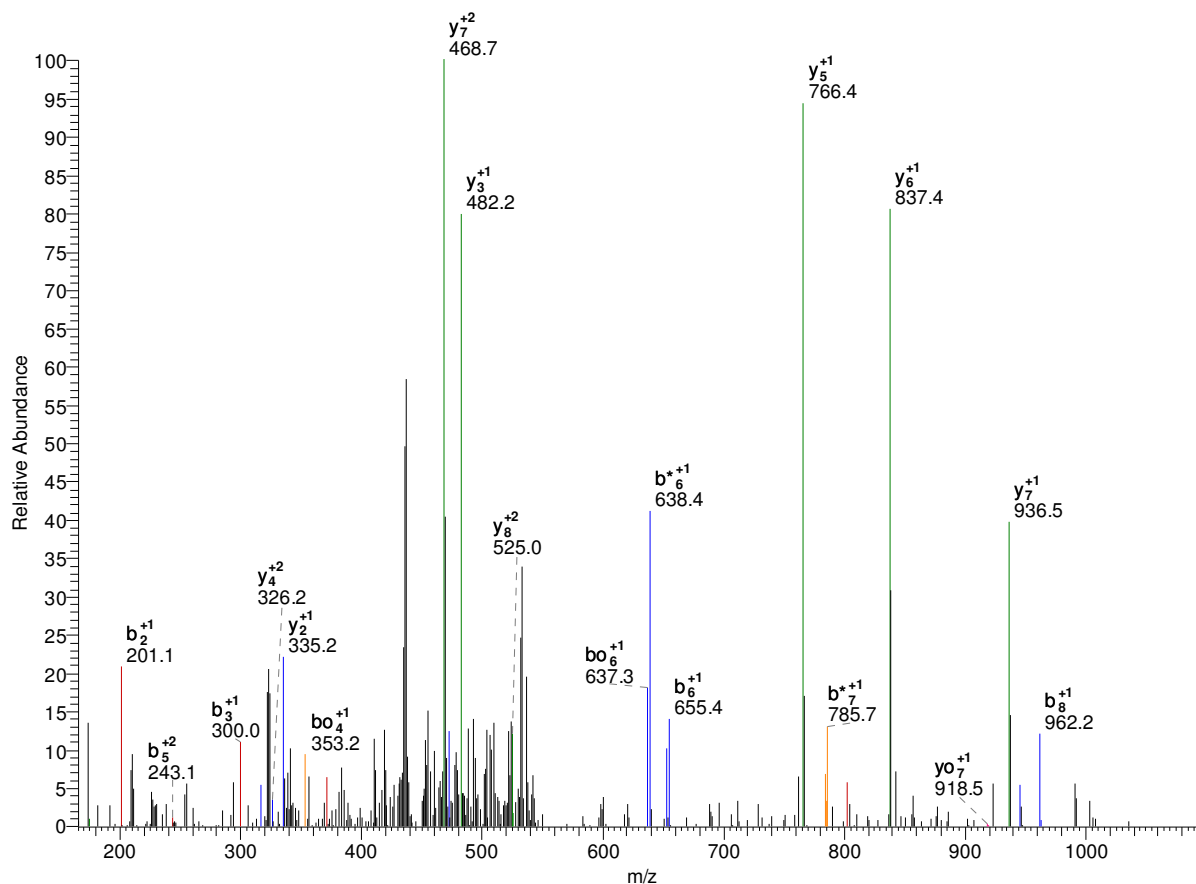
7	K*	418.26	409.74	409.25	471.24	462.73	462.23	7
8	N	475.28	466.76	466.27	386.19	377.67	377.18	6
9	E	539.80	531.28	530.79	329.17	320.65	320.16	5
10	S	583.31	574.80	574.31	264.64	256.13	255.64	4
11	F	656.85	648.34	647.84	221.13	212.62	212.12	3
12	F	730.38	721.87	721.38	147.59	139.08	138.59	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1136.59 [K.SLVANK*FC@R.R](#)

psu|PF11090w | organism=Plasmodium_falciparum_3D7 | product=s-adenosylmethionine synthetase, putati 299 - 308

#2446-2446 NL: 1.38E2



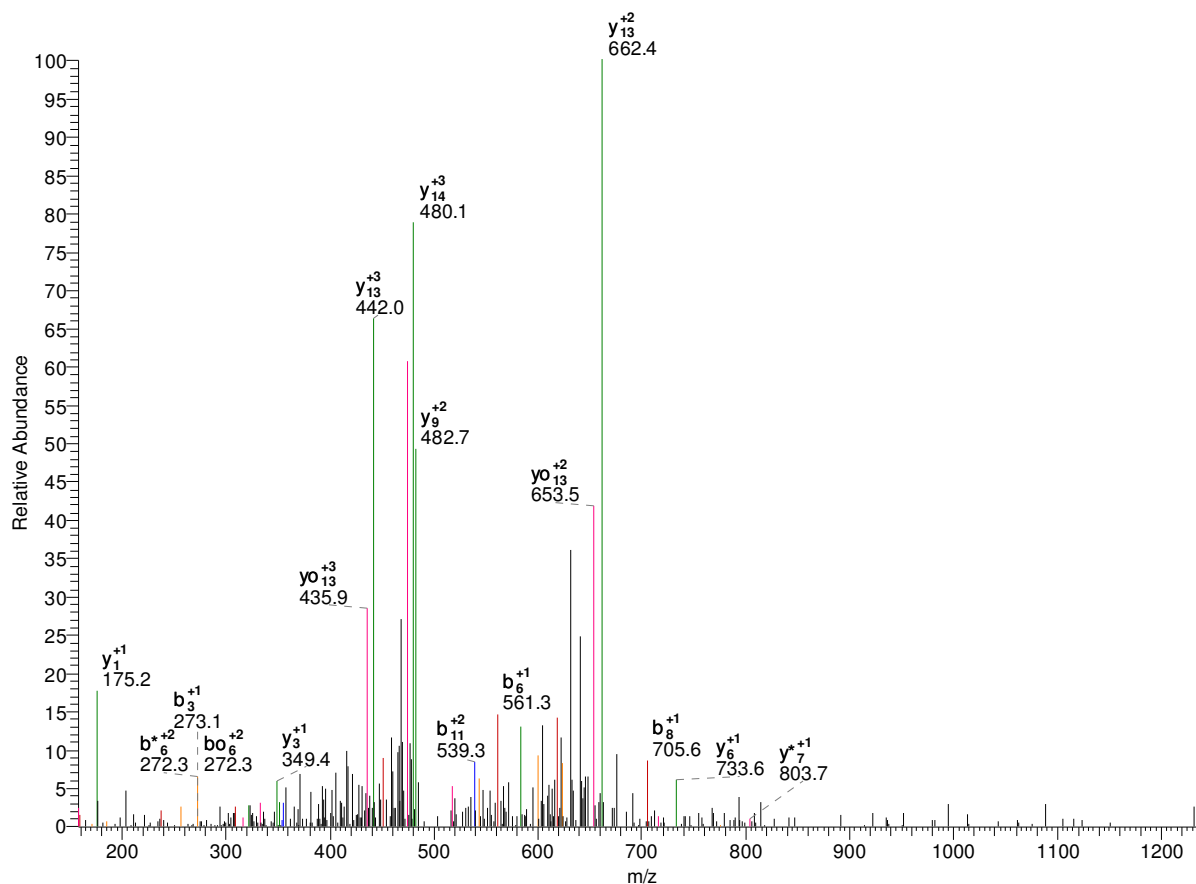
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	9
2	L	201.12	184.10	183.11	1049.56	1032.53	1031.55	8
3	V	300.19	283.17	282.18	936.47	919.45	918.46	7
4	A	371.23	354.20	353.22	837.40	820.38	819.39	6
5	N	485.27	468.25	467.26	766.37	749.34	748.36	5
6	K*	655.38	638.35	637.37	652.32	635.30	634.31	4
7	F	802.45	785.42	784.44	482.22	465.19	464.21	3
8	C@	962.48	945.45	944.47	335.15	318.12	317.14	2
9	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	9
2	L	101.07	92.55	92.06	525.28	516.77	516.28	8
3	V	150.60	142.09	141.59	468.74	460.23	459.73	7
4	A	186.12	177.60	177.11	419.21	410.69	410.20	6
5	N	243.14	234.63	234.13	383.69	375.17	374.68	5
6	K*	328.19	319.68	319.19	326.67	318.15	317.66	4
7	F	401.73	393.21	392.72	241.61	233.10	232.61	3
8	C@	481.74	473.23	472.74	168.08	159.57	159.07	2
9	R	-	-	-	88.06	79.55	79.06	1

-

1524.69 K.SNASNSGSSDK*VSSR.S
 psu|PF13_0161 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 1504 - 1519
 #3707-3707 NL:2.01E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	15
2	N	202.08	185.06	184.07	1437.66	1420.63	1419.65	14
3	A	273.12	256.09	255.11	1323.61	1306.59	1305.60	13
4	S	360.15	343.12	342.14	1252.58	1235.55	1234.57	12
5	N	474.19	457.17	456.18	1165.54	1148.52	1147.53	11
6	S	561.23	544.20	543.22	1051.50	1034.47	1033.49	10
7	G	618.25	601.22	600.24	964.47	947.44	946.46	9
8	S	705.28	688.25	687.27	907.45	890.42	889.44	8
9	S	792.31	775.29	774.30	820.42	803.39	802.41	7
10	D	907.34	890.31	889.33	733.38	716.36	715.37	6
11	K*	1077.44	1060.42	1059.43	618.36	601.33	600.35	5
12	V	1176.51	1159.49	1158.50	448.25	431.22	430.24	4
13	S	1263.54	1246.52	1245.53	349.18	332.16	331.17	3
14	S	1350.58	1333.55	1332.57	262.15	245.12	244.14	2
15	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	15
2	N	101.54	93.03	92.54	719.33	710.82	710.33	14
3	A	137.06	128.55	128.06	662.31	653.80	653.31	13
4	S	180.58	172.07	171.57	626.79	618.28	617.79	12

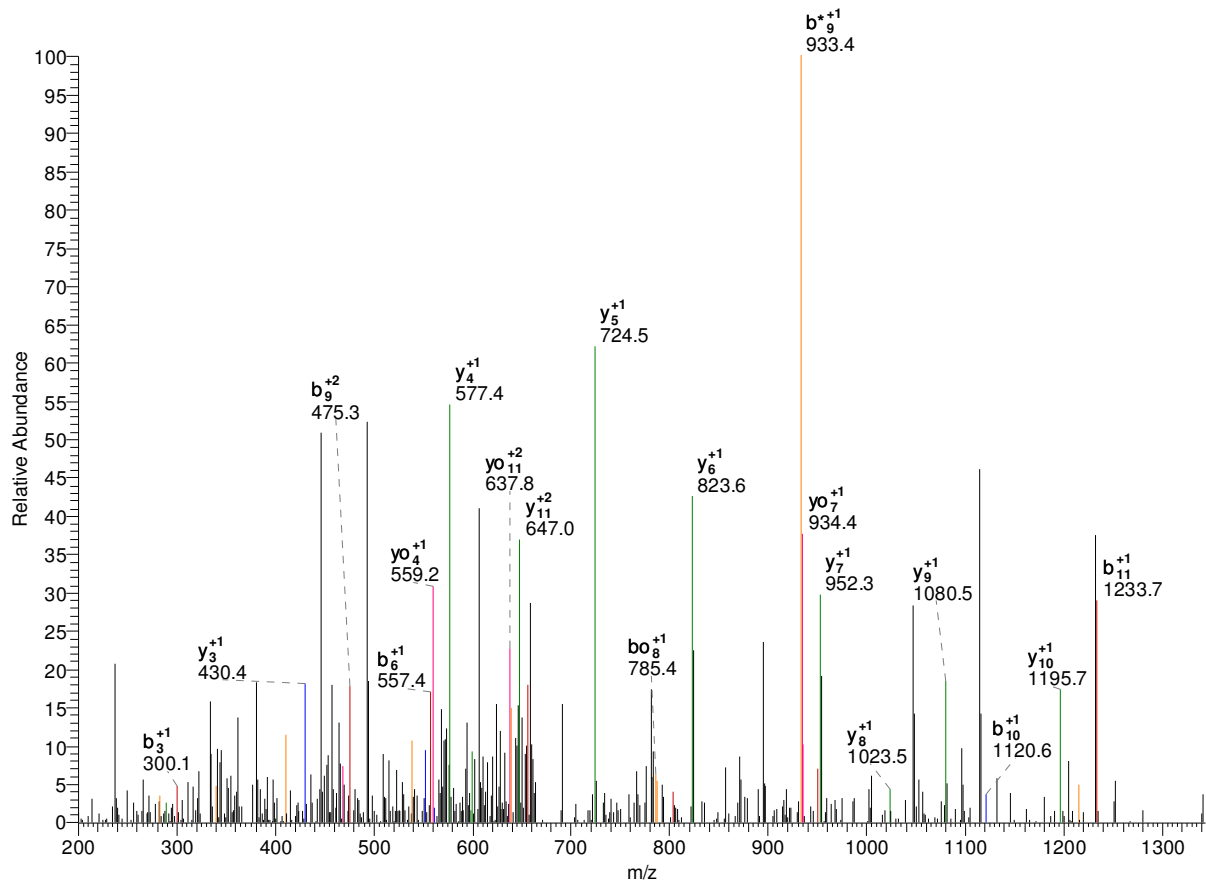
5	N	237.60	229.09	228.60	583.28	574.76	574.27	11
6	S	281.12	272.60	272.11	526.25	517.74	517.25	10
7	G	309.63	301.11	300.62	482.74	474.23	473.73	9
8	S	353.14	344.63	344.14	454.23	445.71	445.22	8
9	S	396.66	388.15	387.65	410.71	402.20	401.71	7
10	D	454.17	445.66	445.17	367.20	358.68	358.19	6
11	K*	539.23	530.71	530.22	309.68	301.17	300.68	5
12	V	588.76	580.25	579.75	224.63	216.12	215.62	4
13	S	632.28	623.76	623.27	175.10	166.58	166.09	3
14	S	675.79	667.28	666.79	131.58	123.07	122.57	2
15	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	S	30.02	24.34	24.01	-	-	-	15
2	N	68.03	62.36	62.03	479.89	474.21	473.89	14
3	A	91.71	86.04	85.71	441.88	436.20	435.87	13
4	S	120.72	115.05	114.72	418.20	412.52	412.19	12
5	N	158.74	153.06	152.73	389.19	383.51	383.18	11
6	S	187.75	182.07	181.74	351.17	345.50	345.17	10
7	G	206.75	201.08	200.75	322.16	316.49	316.16	9
8	S	235.76	230.09	229.76	303.15	297.48	297.15	8
9	S	264.78	259.10	258.77	274.14	268.47	268.14	7
10	D	303.12	297.44	297.11	245.13	239.46	239.13	6
11	K*	359.82	354.14	353.82	206.79	201.11	200.79	5
12	V	392.84	387.17	386.84	150.09	144.41	144.09	4
13	S	421.85	416.18	415.85	117.07	111.39	111.06	3
14	S	450.86	445.19	444.86	88.06	82.38	82.05	2
15	R	-	-	-	59.04	53.37	53.04	1

-

1379.72 R.SPDGAEVFFK*IK.R
 psu|PFE0285c | organism=Plasmodium_falciparum_3D7 | product=ubiquitin-like protein,
 putative | loca 28 - 40
 #5549-5549 NL: 1.37E2



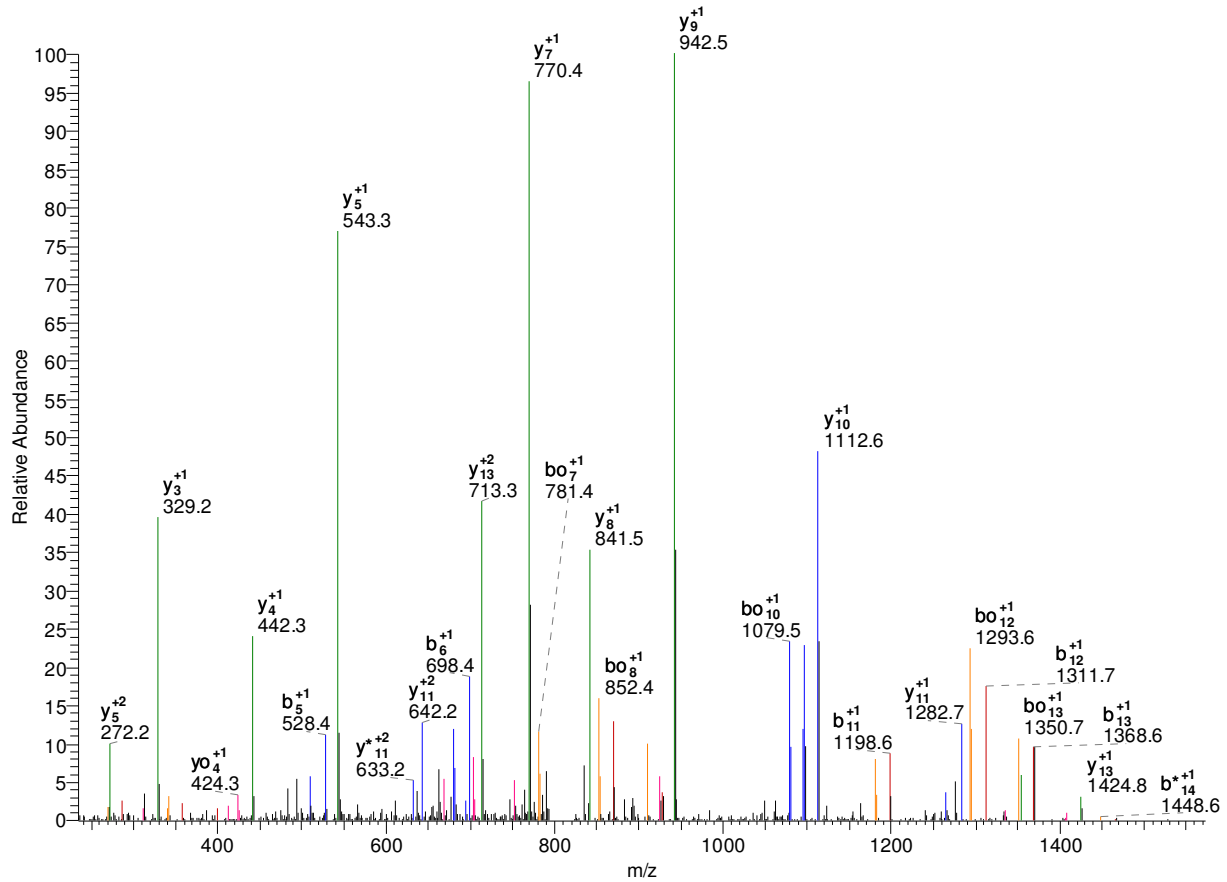
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	12
2	P	185.09	168.07	167.08	1292.69	1275.66	1274.68	11
3	D	300.12	283.09	282.11	1195.64	1178.61	1177.63	10
4	G	357.14	340.11	339.13	1080.61	1063.58	1062.60	9
5	A	428.18	411.15	410.17	1023.59	1006.56	1005.58	8
6	E	557.22	540.19	539.21	952.55	935.52	934.54	7
7	V	656.29	639.26	638.28	823.51	806.48	805.50	6
8	F	803.36	786.33	785.35	724.44	707.41	706.43	5
9	F	950.43	933.40	932.41	577.37	560.34	559.36	4
10	K*	1120.53	1103.50	1102.52	430.30	413.28	412.29	3
11	I	1233.62	1216.59	1215.60	260.20	243.17	242.19	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	12
2	P	93.05	84.54	84.04	646.85	638.33	637.84	11
3	D	150.56	142.05	141.56	598.32	589.81	589.32	10
4	G	179.07	170.56	170.07	540.81	532.29	531.80	9
5	A	214.59	206.08	205.59	512.30	503.78	503.29	8
6	E	279.11	270.60	270.11	476.78	468.27	467.77	7
7	V	328.65	320.13	319.64	412.26	403.74	403.25	6

8	F	402.18	393.67	393.18	362.72	354.21	353.72	5
9	F	475.72	467.20	466.71	289.19	280.68	280.18	4
10	K*	560.77	552.26	551.76	215.65	207.14	206.65	3
11	I	617.31	608.80	608.31	130.60	122.09	121.60	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1639.91 K.SQAAK*K*TAGK*TLGPR.H
 psu|PF07_0054 | organism=Plasmodium_falciparum_3D7 | product=histone h2b, putative |
 location=MAL7: 9 - 24
 #1857-1857 NL: 1.14E4



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	15
2	Q	216.10	199.07	198.09	1552.88	1535.85	1534.87	14
3	A	287.13	270.11	269.12	1424.82	1407.80	1406.81	13
4	A	358.17	341.15	340.16	1353.78	1336.76	1335.77	12
5	K*	528.28	511.25	510.27	1282.75	1265.72	1264.74	11
6	K*	698.38	681.36	680.37	1112.64	1095.62	1094.63	10
7	T	799.43	782.40	781.42	942.54	925.51	924.53	9
8	A	870.47	853.44	852.46	841.49	824.46	823.48	8
9	G	927.49	910.46	909.48	770.45	753.43	752.44	7
10	K*	1097.59	1080.57	1079.58	713.43	696.40	695.42	6
11	T	1198.64	1181.62	1180.63	543.32	526.30	525.31	5
12	L	1311.73	1294.70	1293.72	442.28	425.25	424.27	4
13	G	1368.75	1351.72	1350.74	329.19	312.17	311.18	3
14	P	1465.80	1448.77	1447.79	272.17	255.15	254.16	2
15	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	15
2	Q	108.55	100.04	99.55	776.94	768.43	767.94	14
3	A	144.07	135.56	135.07	712.91	704.40	703.91	13
4	A	179.59	171.08	170.58	677.40	668.88	668.39	12

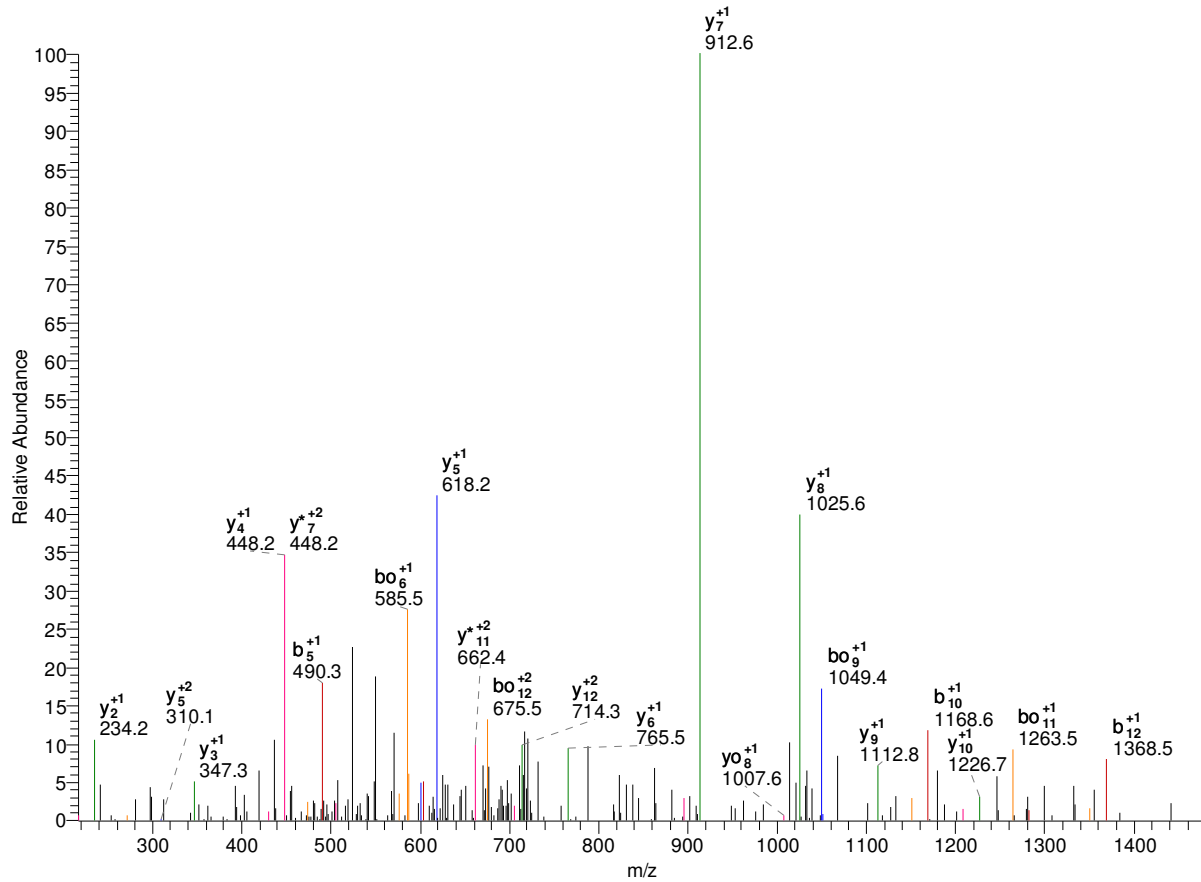
5	K*	264.64	256.13	255.64	641.88	633.36	632.87	11
6	K*	349.70	341.18	340.69	556.82	548.31	547.82	10
7	T	400.22	391.71	391.21	471.77	463.26	462.77	9
8	A	435.74	427.22	426.73	421.25	412.73	412.24	8
9	G	464.25	455.74	455.24	385.73	377.22	376.72	7
10	K*	549.30	540.79	540.30	357.22	348.71	348.21	6
11	T	599.82	591.31	590.82	272.17	263.65	263.16	5
12	L	656.37	647.85	647.36	221.64	213.13	212.64	4
13	G	684.88	676.36	675.87	165.10	156.59	156.09	3
14	P	733.40	724.89	724.40	136.59	128.08	127.58	2
15	R	-	-	-	88.06	79.55	79.06	1

—

1514.78 K.SSNNISIFFK*TLISK.K

psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 2035 - 2048

#4786-4786 NL:8.25E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	13
2	S	175.07	158.04	157.06	1427.75	1410.73	1409.74	12
3	N	289.11	272.09	271.10	1340.72	1323.69	1322.71	11
4	N	403.16	386.13	385.15	1226.68	1209.65	1208.67	10
5	S	490.19	473.16	472.18	1112.64	1095.61	1094.62	9
6	I	603.27	586.25	585.26	1025.60	1008.58	1007.59	8
7	F	750.34	733.32	732.33	912.52	895.49	894.51	7
8	F	897.41	880.38	879.40	765.45	748.42	747.44	6
9	K*	1067.52	1050.49	1049.51	618.38	601.36	600.37	5
10	T	1168.56	1151.54	1150.55	448.28	431.25	430.27	4
11	L	1281.65	1264.62	1263.64	347.23	330.20	329.22	3
12	S	1368.68	1351.65	1350.67	234.14	217.12	216.13	2
13	K	-	-	-	147.11	130.09	129.10	1

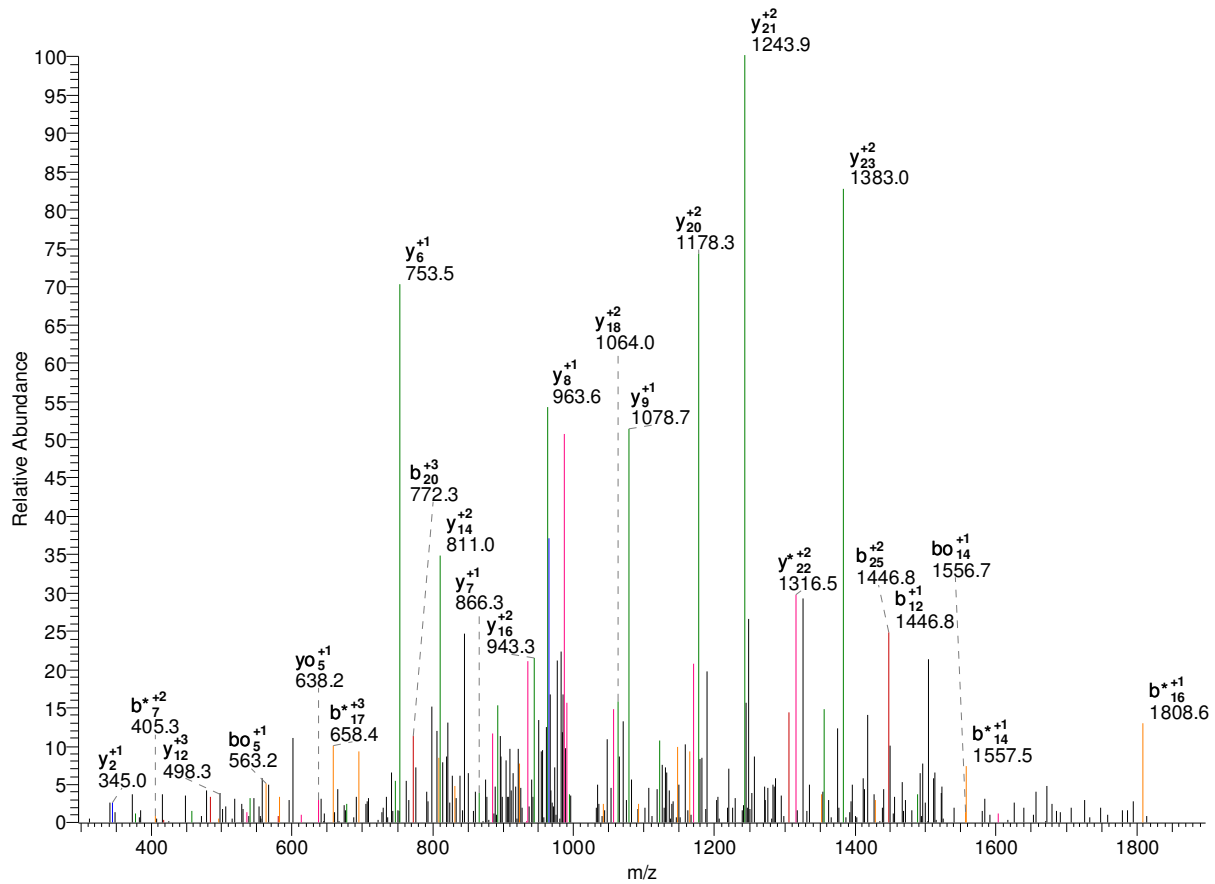
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	13
2	S	88.04	79.53	79.03	714.38	705.87	705.37	12
3	N	145.06	136.55	136.06	670.86	662.35	661.86	11
4	N	202.08	193.57	193.08	613.84	605.33	604.84	10
5	S	245.60	237.08	236.59	556.82	548.31	547.82	9
6	I	302.14	293.63	293.13	513.31	504.79	504.30	8

7	F	375.67	367.16	366.67	456.76	448.25	447.76	7
8	F	449.21	440.70	440.20	383.23	374.72	374.22	6
9	K*	534.26	525.75	525.26	309.69	301.18	300.69	5
10	T	584.79	576.27	575.78	224.64	216.13	215.64	4
11	L	641.33	632.81	632.32	174.12	165.60	165.11	3
12	S	684.84	676.33	675.84	117.58	109.06	108.57	2
13	K	-	-	-	74.06	65.55	65.05	1

-

3066.46 K.SSQDYMNELTYGAHNYDPIPVVLK*R.G
 psu|PFF0435w | organism=Plasmodium_falciparum_3D7 | product=ornithine aminotransferase
 | location=M 8 - 34
 #6640-6640 NL: 8.73E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	26
2	S	175.07	158.04	157.06	2979.43	2962.40	2961.42	25
3	Q	303.13	286.10	285.12	2892.40	2875.37	2874.39	24
4	D	418.16	401.13	400.15	2764.34	2747.31	2746.33	23
5	Y	581.22	564.19	563.21	2649.31	2632.29	2631.30	22
6	M	712.26	695.23	694.25	2486.25	2469.22	2468.24	21
7	N	826.30	809.28	808.29	2355.21	2338.18	2337.20	20
8	N	940.35	923.32	922.34	2241.17	2224.14	2223.16	19
9	E	1069.39	1052.36	1051.38	2127.12	2110.10	2109.11	18
10	L	1182.47	1165.45	1164.46	1998.08	1981.05	1980.07	17
11	T	1283.52	1266.49	1265.51	1885.00	1867.97	1866.99	16
12	Y	1446.58	1429.56	1428.57	1783.95	1766.92	1765.94	15
13	G	1503.61	1486.58	1485.60	1620.89	1603.86	1602.88	14
14	A	1574.64	1557.62	1556.63	1563.86	1546.84	1545.85	13
15	H	1711.70	1694.68	1693.69	1492.83	1475.80	1474.82	12
16	N	1825.74	1808.72	1807.73	1355.77	1338.74	1337.76	11
17	Y	1988.81	1971.78	1970.80	1241.73	1224.70	1223.71	10
18	D	2103.83	2086.81	2085.82	1078.66	1061.64	1060.65	9
19	P	2200.89	2183.86	2182.88	963.63	946.61	945.62	8
20	I	2313.97	2296.95	2295.96	866.58	849.56	848.57	7
21	P	2411.02	2394.00	2393.01	753.50	736.47	735.49	6
22	V	2510.09	2493.07	2492.08	656.45	639.42	638.43	5

23	V	2609.16	2592.13	2591.15	557.38	540.35	539.37	4
24	L	2722.25	2705.22	2704.23	458.31	441.28	440.30	3
25	K*	2892.35	2875.32	2874.34	345.22	328.20	327.21	2
26	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	26
2	S	88.04	79.53	79.03	1490.22	1481.71	1481.21	25
3	Q	152.07	143.56	143.06	1446.70	1438.19	1437.70	24
4	D	209.58	201.07	200.58	1382.67	1374.16	1373.67	23
5	Y	291.11	282.60	282.11	1325.16	1316.65	1316.15	22
6	M	356.63	348.12	347.63	1243.63	1235.12	1234.62	21
7	N	413.66	405.14	404.65	1178.11	1169.59	1169.10	20
8	N	470.68	462.16	461.67	1121.09	1112.57	1112.08	19
9	E	535.20	526.68	526.19	1064.07	1055.55	1055.06	18
10	L	591.74	583.23	582.73	999.54	991.03	990.54	17
11	T	642.26	633.75	633.26	943.00	934.49	934.00	16
12	Y	723.80	715.28	714.79	892.48	883.96	883.47	15
13	G	752.31	743.79	743.30	810.95	802.43	801.94	14
14	A	787.83	779.31	778.82	782.44	773.92	773.43	13
15	H	856.35	847.84	847.35	746.92	738.40	737.91	12
16	N	913.38	904.86	904.37	678.39	669.87	669.38	11
17	Y	994.91	986.39	985.90	621.37	612.85	612.36	10
18	D	1052.42	1043.91	1043.42	539.83	531.32	530.83	9
19	P	1100.95	1092.43	1091.94	482.32	473.81	473.32	8
20	I	1157.49	1148.98	1148.48	433.79	425.28	424.79	7
21	P	1206.02	1197.50	1197.01	377.25	368.74	368.25	6
22	V	1255.55	1247.04	1246.54	328.73	320.21	319.72	5
23	V	1305.08	1296.57	1296.08	279.19	270.68	270.19	4
24	L	1361.63	1353.11	1352.62	229.66	221.14	220.65	3
25	K*	1446.68	1438.17	1437.67	173.12	164.60	164.11	2
26	R	-	-	-	88.06	79.55	79.06	1

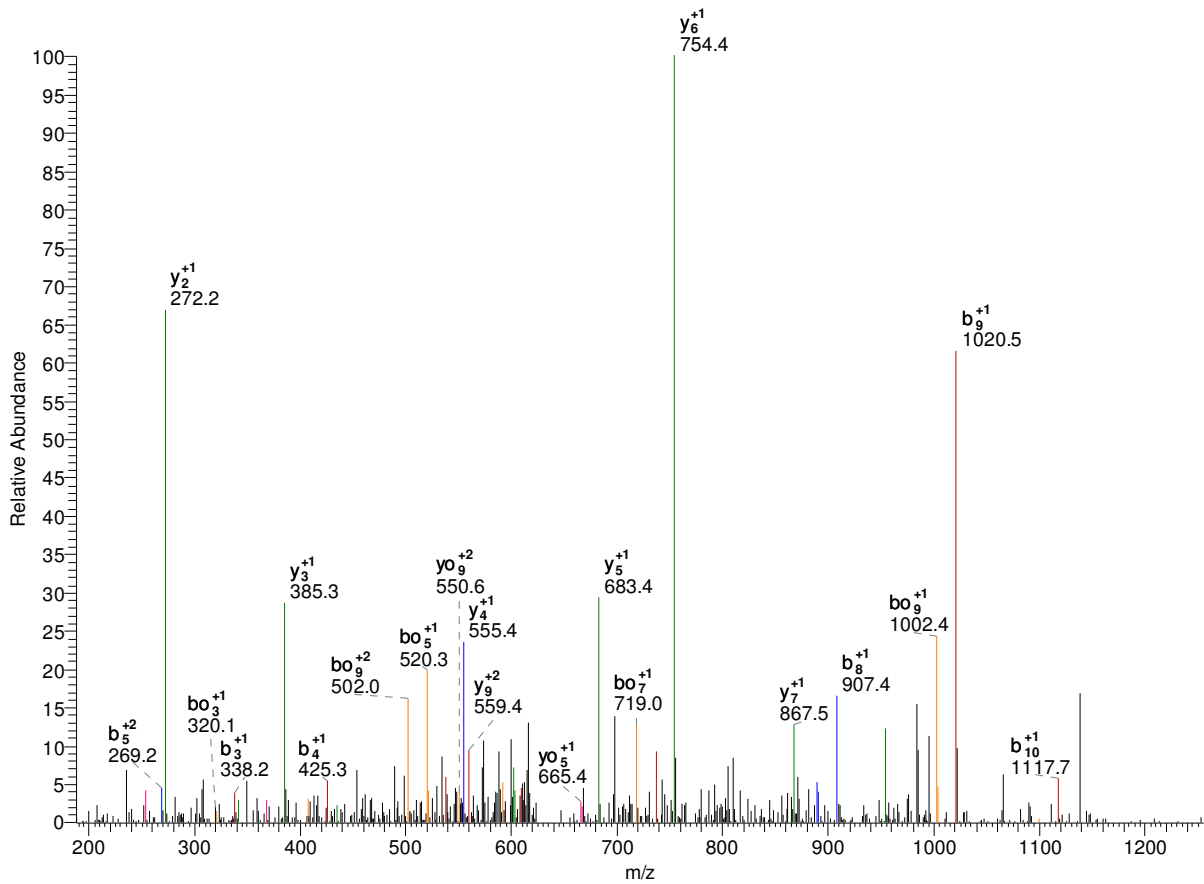
-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	S	30.02	24.34	24.01	-	-	-	26
2	S	59.03	53.35	53.03	993.82	988.14	987.81	25
3	Q	101.71	96.04	95.71	964.80	959.13	958.80	24
4	D	140.06	134.38	134.05	922.12	916.44	916.11	23
5	Y	194.41	188.74	188.41	883.78	878.10	877.77	22
6	M	238.09	232.42	232.09	829.42	823.75	823.42	21
7	N	276.11	270.43	270.10	785.74	780.07	779.74	20
8	N	314.12	308.44	308.12	747.73	742.05	741.72	19
9	E	357.13	351.46	351.13	709.71	704.04	703.71	18
10	L	394.83	389.15	388.83	666.70	661.02	660.69	17
11	T	428.51	422.84	422.51	629.00	623.33	623.00	16
12	Y	482.87	477.19	476.86	595.32	589.65	589.32	15
13	G	501.87	496.20	495.87	540.97	535.29	534.96	14
14	A	525.55	519.88	519.55	521.96	516.28	515.96	13
15	H	571.24	565.56	565.24	498.28	492.61	492.28	12
16	N	609.25	603.58	603.25	452.59	446.92	446.59	11
17	Y	663.61	657.93	657.60	414.58	408.90	408.58	10
18	D	701.95	696.27	695.95	360.23	354.55	354.22	9
19	P	734.30	728.63	728.30	321.88	316.21	315.88	8
20	I	772.00	766.32	765.99	289.53	283.86	283.53	7
21	P	804.35	798.67	798.34	251.84	246.16	245.83	6
22	V	837.37	831.69	831.37	219.49	213.81	213.48	5
23	V	870.39	864.72	864.39	186.46	180.79	180.46	4
24	L	908.09	902.41	902.08	153.44	147.77	147.44	3

25	K*	964.79	959.11	958.78	115.75	110.07	109.74	2
26	R	-	-	-	59.04	53.37	53.04	1

-

1291.70 R.SSYSIAQK*LPR.H
 psu|PF10_0143 | organism=Plasmodium_falciparum_3D7 | product=transcriptional activator
 ADA2, putati 1024 - 1035
 #4562-4562 NL:3.17E2



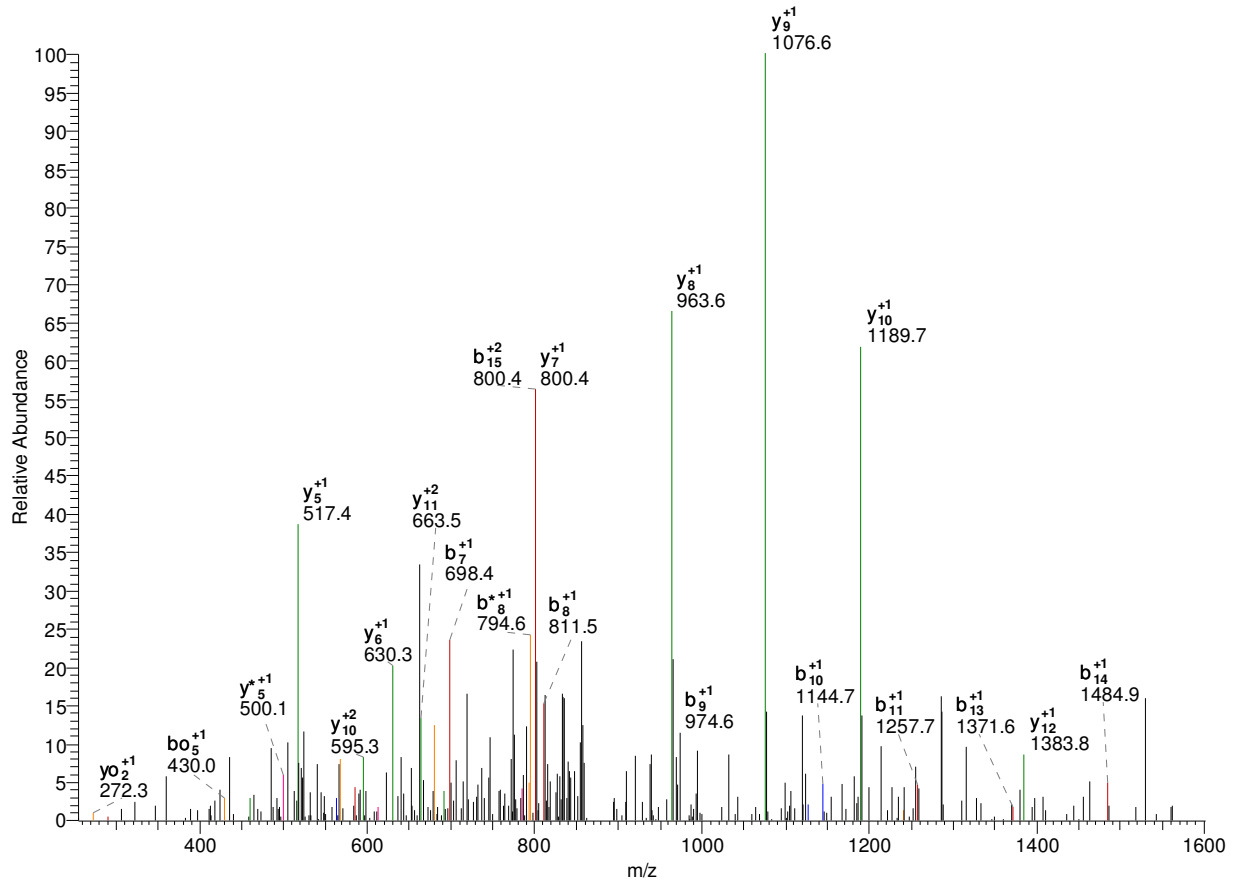
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	11
2	S	175.07	158.04	157.06	1204.67	1187.64	1186.66	10
3	Y	338.13	321.11	320.12	1117.64	1100.61	1099.63	9
4	S	425.17	408.14	407.16	954.57	937.55	936.56	8
5	I	538.25	521.22	520.24	867.54	850.51	849.53	7
6	A	609.29	592.26	591.28	754.46	737.43	736.45	6
7	Q	737.35	720.32	719.34	683.42	666.39	665.41	5
8	K*	907.45	890.43	889.44	555.36	538.33	537.35	4
9	L	1020.54	1003.51	1002.53	385.26	368.23	367.25	3
10	P	1117.59	1100.56	1099.58	272.17	255.15	254.16	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	11
2	S	88.04	79.53	79.03	602.84	594.32	593.83	10
3	Y	169.57	161.06	160.57	559.32	550.81	550.32	9
4	S	213.09	204.57	204.08	477.79	469.28	468.78	8
5	I	269.63	261.12	260.62	434.27	425.76	425.27	7
6	A	305.15	296.63	296.14	377.73	369.22	368.73	6
7	Q	369.18	360.66	360.17	342.21	333.70	333.21	5
8	K*	454.23	445.72	445.22	278.18	269.67	269.18	4

9	L	510.77	502.26	501.77	193.13	184.62	184.13	3
10	P	559.30	550.78	550.29	136.59	128.08	127.58	2
11	R	-	-	-	88.06	79.55	79.06	1

-

1773.95 K.STTTGHIYK*LGGIDR.R
 psu|PF13_0305 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1 alpha
 | location=M 20 - 36
 #5483-5483 NL: 8.24E1



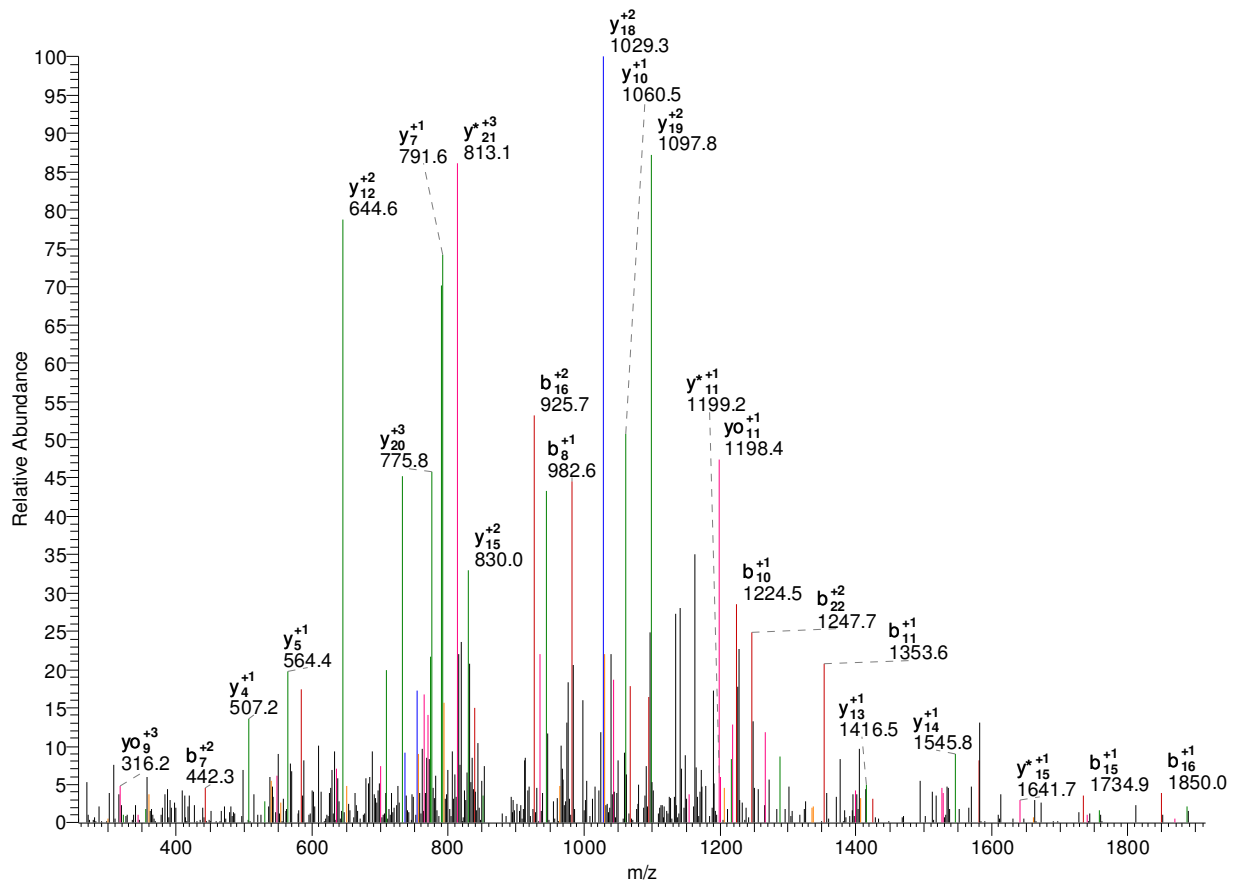
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	16
2	T	189.09	172.06	171.08	1686.92	1669.89	1668.91	15
3	T	290.13	273.11	272.12	1585.87	1568.84	1567.86	14
4	T	391.18	374.16	373.17	1484.82	1467.80	1466.81	13
5	G	448.20	431.18	430.19	1383.77	1366.75	1365.76	12
6	H	585.26	568.24	567.25	1326.75	1309.73	1308.74	11
7	I	698.35	681.32	680.34	1189.69	1172.67	1171.68	10
8	I	811.43	794.40	793.42	1076.61	1059.58	1058.60	9
9	Y	974.49	957.47	956.48	963.53	946.50	945.52	8
10	K*	1144.60	1127.57	1126.59	800.46	783.44	782.45	7
11	L	1257.68	1240.66	1239.67	630.36	613.33	612.35	6
12	G	1314.71	1297.68	1296.69	517.27	500.25	499.26	5
13	G	1371.73	1354.70	1353.72	460.25	443.22	442.24	4
14	I	1484.81	1467.78	1466.80	403.23	386.20	385.22	3
15	D	1599.84	1582.81	1581.83	290.15	273.12	272.14	2
16	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	16
2	T	95.05	86.53	86.04	843.96	835.45	834.96	15
3	T	145.57	137.06	136.57	793.44	784.93	784.43	14

4	T	196.09	187.58	187.09	742.91	734.40	733.91	13
5	G	224.61	216.09	215.60	692.39	683.88	683.39	12
6	H	293.13	284.62	284.13	663.88	655.37	654.87	11
7	I	349.68	341.16	340.67	595.35	586.84	586.35	10
8	I	406.22	397.71	397.21	538.81	530.30	529.80	9
9	Y	487.75	479.24	478.75	482.27	473.75	473.26	8
10	K*	572.80	564.29	563.80	400.73	392.22	391.73	7
11	L	629.35	620.83	620.34	315.68	307.17	306.68	6
12	G	657.86	649.34	648.85	259.14	250.63	250.13	5
13	G	686.37	677.85	677.36	230.63	222.12	221.62	4
14	I	742.91	734.40	733.90	202.12	193.61	193.11	3
15	D	800.42	791.91	791.42	145.58	137.06	136.57	2
16	R	-	-	-	88.06	79.55	79.06	1

-

2640.31 K.SVEMHK*EVLEEARPGDNIGFNVK.N
 psu|PF13_0305 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1 alpha
 | location=M 276 - 299
 #5429-5429 NL: 1.49E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	23
2	V	187.11	170.08	169.10	2553.28	2536.25	2535.27	22
3	E	316.15	299.12	298.14	2454.21	2437.18	2436.20	21
4	M	447.19	430.16	429.18	2325.17	2308.14	2307.16	20
5	H	584.25	567.22	566.24	2194.13	2177.10	2176.11	19
6	K*	754.36	737.33	736.34	2057.07	2040.04	2039.06	18
7	E	883.40	866.37	865.39	1886.96	1869.93	1868.95	17
8	V	982.47	965.44	964.46	1757.92	1740.89	1739.91	16
9	L	1095.55	1078.52	1077.54	1658.85	1641.82	1640.84	15
10	E	1224.59	1207.57	1206.58	1545.77	1528.74	1527.76	14
11	E	1353.64	1336.61	1335.62	1416.72	1399.70	1398.71	13
12	A	1424.67	1407.65	1406.66	1287.68	1270.65	1269.67	12
13	R	1580.77	1563.75	1562.76	1216.64	1199.62	1198.63	11
14	P	1677.83	1660.80	1659.82	1060.54	1043.52	1042.53	10
15	G	1734.85	1717.82	1716.84	963.49	946.46	945.48	9
16	D	1849.87	1832.85	1831.86	906.47	889.44	888.46	8
17	N	1963.92	1946.89	1945.91	791.44	774.41	773.43	7
18	I	2077.00	2059.98	2058.99	677.40	660.37	659.39	6
19	G	2134.02	2117.00	2116.01	564.31	547.29	546.30	5
20	F	2281.09	2264.07	2263.08	507.29	490.27	489.28	4
21	N	2395.13	2378.11	2377.12	360.22	343.20	342.21	3
22	V	2494.20	2477.18	2476.19	246.18	229.15	228.17	2

23	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

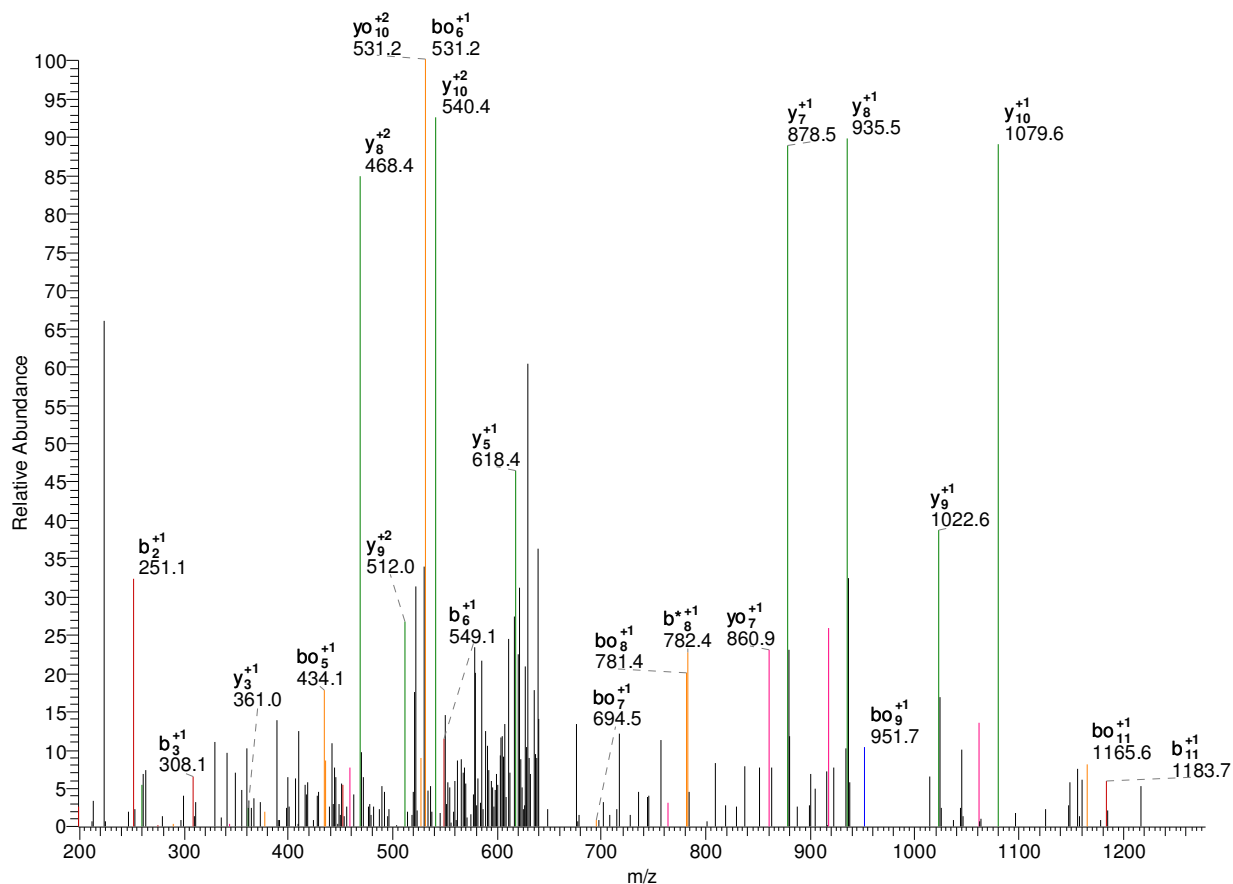
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	23
2	V	94.06	85.54	85.05	1277.14	1268.63	1268.14	22
3	E	158.58	150.07	149.57	1227.61	1219.09	1218.60	21
4	M	224.10	215.59	215.09	1163.09	1154.57	1154.08	20
5	H	292.63	284.12	283.62	1097.57	1089.05	1088.56	19
6	K*	377.68	369.17	368.68	1029.04	1020.52	1020.03	18
7	E	442.20	433.69	433.20	943.98	935.47	934.98	17
8	V	491.74	483.22	482.73	879.46	870.95	870.46	16
9	L	548.28	539.77	539.27	829.93	821.42	820.92	15
10	E	612.80	604.29	603.79	773.39	764.87	764.38	14
11	E	677.32	668.81	668.32	708.87	700.35	699.86	13
12	A	712.84	704.33	703.83	644.34	635.83	635.34	12
13	R	790.89	782.38	781.89	608.83	600.31	599.82	11
14	P	839.42	830.90	830.41	530.77	522.26	521.77	10
15	G	867.93	859.41	858.92	482.25	473.74	473.24	9
16	D	925.44	916.93	916.44	453.74	445.22	444.73	8
17	N	982.46	973.95	973.46	396.22	387.71	387.22	7
18	I	1039.00	1030.49	1030.00	339.20	330.69	330.20	6
19	G	1067.52	1059.00	1058.51	282.66	274.15	273.66	5
20	F	1141.05	1132.54	1132.04	254.15	245.64	245.14	4
21	N	1198.07	1189.56	1189.07	180.62	172.10	171.61	3
22	V	1247.61	1239.09	1238.60	123.59	115.08	114.59	2
23	K	-	-	-	74.06	65.55	65.05	1

-

		B	B*	B0	Y	Y*	Y0	
1	S	30.02	24.34	24.01	-	-	-	23
2	V	63.04	57.37	57.04	851.76	846.09	845.76	22
3	E	106.05	100.38	100.05	818.74	813.07	812.74	21
4	M	149.74	144.06	143.73	775.73	770.05	769.72	20
5	H	195.42	189.75	189.42	732.05	726.37	726.04	19
6	K*	252.12	246.45	246.12	686.36	680.68	680.36	18
7	E	295.14	289.46	289.13	629.66	623.98	623.65	17
8	V	328.16	322.48	322.16	586.64	580.97	580.64	16
9	L	365.85	360.18	359.85	553.62	547.95	547.62	15
10	E	408.87	403.19	402.87	515.93	510.25	509.92	14
11	E	451.88	446.21	445.88	472.91	467.24	466.91	13
12	A	475.56	469.89	469.56	429.90	424.22	423.89	12
13	R	527.60	521.92	521.59	406.22	400.54	400.22	11
14	P	559.95	554.27	553.94	354.19	348.51	348.18	10
15	G	578.95	573.28	572.95	321.83	316.16	315.83	9
16	D	617.30	611.62	611.29	302.83	297.15	296.82	8
17	N	655.31	649.64	649.31	264.49	258.81	258.48	7
18	I	693.01	687.33	687.00	226.47	220.80	220.47	6
19	G	712.01	706.34	706.01	188.78	183.10	182.77	5
20	F	761.04	755.36	755.03	169.77	164.09	163.77	4
21	N	799.05	793.37	793.05	120.75	115.07	114.74	3
22	V	832.07	826.40	826.07	82.73	77.06	76.73	2
23	K	-	-	-	49.71	44.03	43.71	1

-

1329.67 K.SYSGPYSK*TIK.K
 psu|PF13_0063 | organism=Plasmodium_falciparum_3D7 | product=26S proteasome regulatory subunit 7, p 21 - 33
 #1480-1480 NL:6.03E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	12
2	Y	251.10	234.08	233.09	1242.64	1225.61	1224.63	11
3	G	308.12	291.10	290.11	1079.57	1062.55	1061.56	10
4	S	395.16	378.13	377.15	1022.55	1005.53	1004.54	9
5	G	452.18	435.15	434.17	935.52	918.49	917.51	8
6	P	549.23	532.20	531.22	878.50	861.47	860.49	7
7	Y	712.29	695.27	694.28	781.45	764.42	763.43	6
8	S	799.33	782.30	781.32	618.38	601.36	600.37	5
9	K*	969.43	952.40	951.42	531.35	514.32	513.34	4
10	T	1070.48	1053.45	1052.47	361.24	344.22	343.23	3
11	I	1183.56	1166.54	1165.55	260.20	243.17	242.19	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	12
2	Y	126.05	117.54	117.05	621.82	613.31	612.82	11
3	G	154.57	146.05	145.56	540.29	531.78	531.28	10
4	S	198.08	189.57	189.08	511.78	503.27	502.77	9
5	G	226.59	218.08	217.59	468.26	459.75	459.26	8
6	P	275.12	266.61	266.11	439.75	431.24	430.75	7
7	Y	356.65	348.14	347.65	391.23	382.71	382.22	6

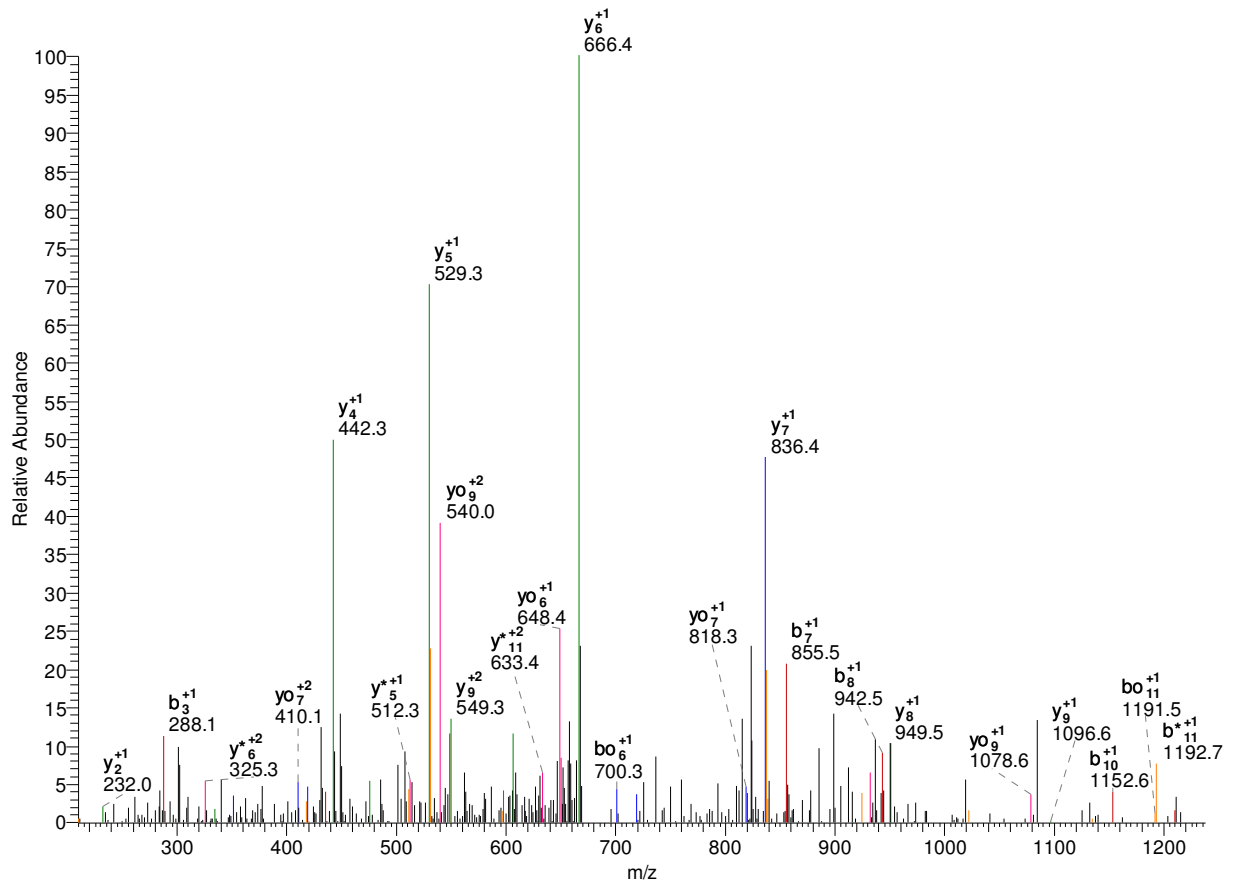
8	S	400.17	391.65	391.16	309.69	301.18	300.69	5
9	K*	485.22	476.71	476.21	266.18	257.67	257.17	4
10	T	535.74	527.23	526.74	181.13	172.61	172.12	3
11	I	592.29	583.77	583.28	130.60	122.09	121.60	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1383.74 K.TADFLK*HSPLGR.L

psu|PF13_0214 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1-gamma, putative | 63 - 75

#3837-3837 NL: 1.62E2



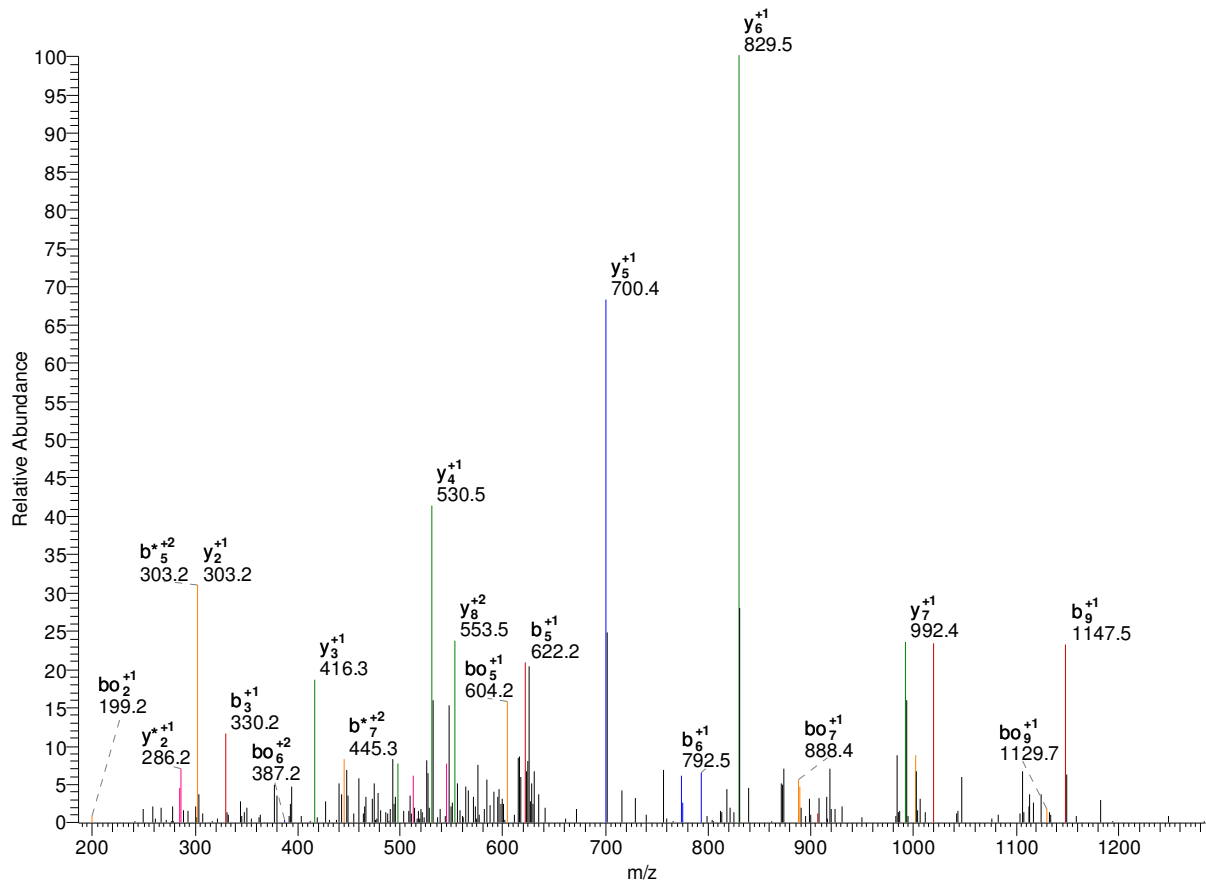
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	12
2	A	173.09	156.07	155.08	1282.69	1265.66	1264.68	11
3	D	288.12	271.09	270.11	1211.65	1194.63	1193.64	10
4	F	435.19	418.16	417.18	1096.63	1079.60	1078.62	9
5	L	548.27	531.24	530.26	949.56	932.53	931.55	8
6	K*	718.38	701.35	700.37	836.47	819.45	818.46	7
7	H	855.44	838.41	837.43	666.37	649.34	648.36	6
8	S	942.47	925.44	924.46	529.31	512.28	511.30	5
9	P	1039.52	1022.49	1021.51	442.28	425.25	424.27	4
10	L	1152.60	1135.58	1134.59	345.22	328.20	327.21	3
11	G	1209.63	1192.60	1191.62	232.14	215.11	214.13	2
12	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	12
2	A	87.05	78.54	78.04	641.85	633.34	632.84	11
3	D	144.56	136.05	135.56	606.33	597.82	597.32	10
4	F	218.10	209.58	209.09	548.82	540.30	539.81	9
5	L	274.64	266.13	265.63	475.28	466.77	466.28	8
6	K*	359.69	351.18	350.69	418.74	410.23	409.74	7
7	H	428.22	419.71	419.22	333.69	325.17	324.68	6

8	S	471.74	463.22	462.73	265.16	256.64	256.15	5
9	P	520.26	511.75	511.26	221.64	213.13	212.64	4
10	L	576.81	568.29	567.80	173.12	164.60	164.11	3
11	G	605.32	596.80	596.31	116.57	108.06	107.57	2
12	R	-	-	-	88.06	79.55	79.06	1

-

1321.67 K.TDLYEK*NIQR.T
 psu|PF14_0486 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 2 |
 location=MAL14:2 413 - 423
 #1713-1713 NL:1.26E2



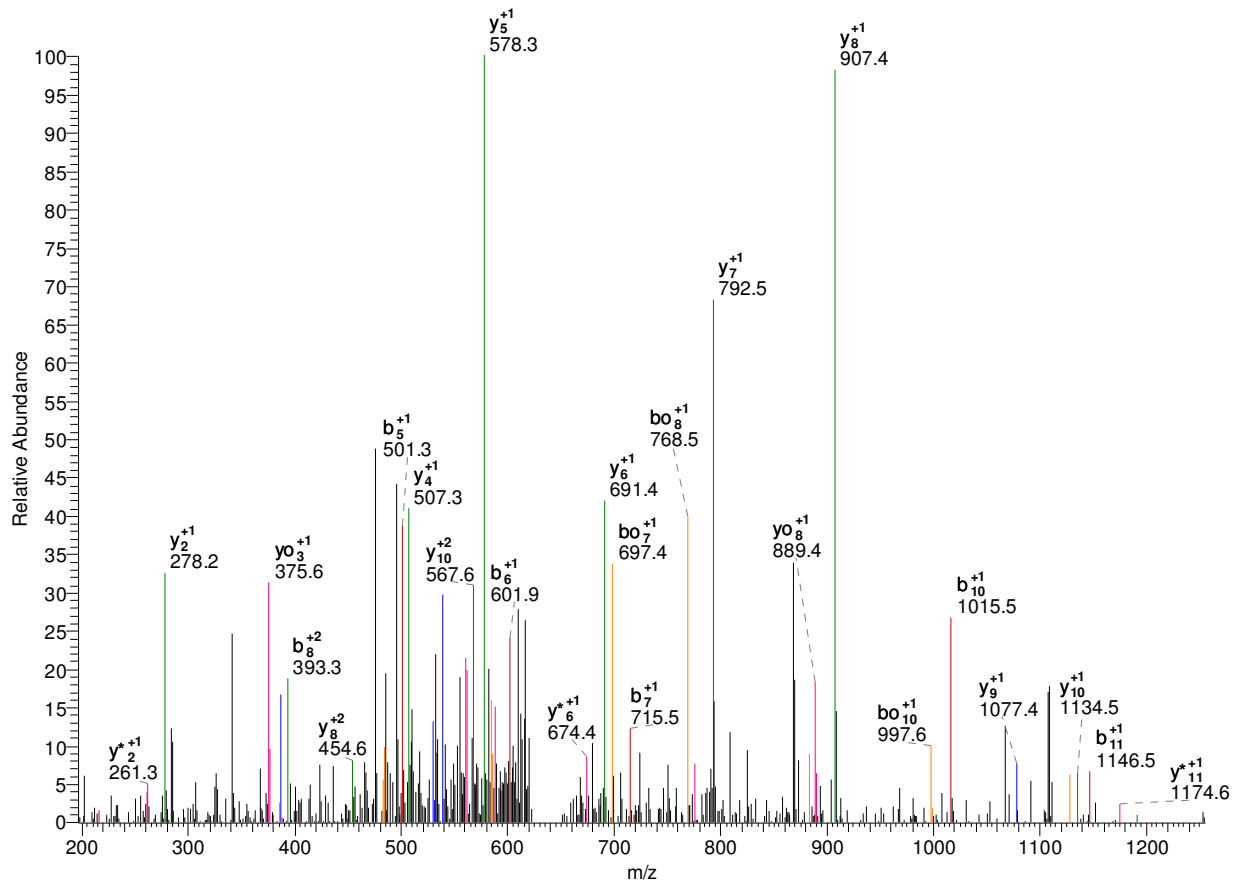
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	10
2	D	217.08	200.06	199.07	1220.63	1203.60	1202.62	9
3	L	330.17	313.14	312.16	1105.60	1088.57	1087.59	8
4	Y	493.23	476.20	475.22	992.52	975.49	974.51	7
5	E	622.27	605.25	604.26	829.45	812.43	811.44	6
6	K*	792.38	775.35	774.37	700.41	683.38	682.40	5
7	N	906.42	889.39	888.41	530.30	513.28	512.29	4
8	I	1019.50	1002.48	1001.49	416.26	399.24	398.25	3
9	Q	1147.56	1130.54	1129.55	303.18	286.15	285.17	2
10	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	10
2	D	109.04	100.53	100.04	610.82	602.30	601.81	9
3	L	165.59	157.07	156.58	553.30	544.79	544.30	8
4	Y	247.12	238.61	238.11	496.76	488.25	487.76	7
5	E	311.64	303.13	302.63	415.23	406.72	406.22	6
6	K*	396.69	388.18	387.69	350.71	342.20	341.70	5
7	N	453.71	445.20	444.71	265.66	257.14	256.65	4
8	I	510.26	501.74	501.25	208.63	200.12	199.63	3
9	Q	574.29	565.77	565.28	152.09	143.58	143.09	2

10	R	-	-	-	88.06	79.55	79.06	1
----	---	---	---	---	-------	-------	-------	---

-

1292.62 R.TGGK*DTLANDMK.Q
 psu|PF14_0487 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 853 - 865
 #2079-2079 NL: 1.77E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	12
2	G	159.08	142.05	141.07	1191.57	1174.54	1173.56	11
3	G	216.10	199.07	198.09	1134.55	1117.52	1116.54	10
4	K*	386.20	369.18	368.19	1077.52	1060.50	1059.51	9
5	D	501.23	484.20	483.22	907.42	890.39	889.41	8
6	T	602.28	585.25	584.27	792.39	775.37	774.38	7
7	L	715.36	698.34	697.35	691.34	674.32	673.33	6
8	A	786.40	769.37	768.39	578.26	561.23	560.25	5
9	N	900.44	883.42	882.43	507.22	490.20	489.21	4
10	D	1015.47	998.44	997.46	393.18	376.15	375.17	3
11	M	1146.51	1129.48	1128.50	278.15	261.13	260.14	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	12
2	G	80.04	71.53	71.04	596.29	587.77	587.28	11
3	G	108.55	100.04	99.55	567.78	559.26	558.77	10
4	K*	193.61	185.09	184.60	539.27	530.75	530.26	9
5	D	251.12	242.61	242.11	454.21	445.70	445.21	8
6	T	301.64	293.13	292.64	396.70	388.19	387.69	7
7	L	358.18	349.67	349.18	346.18	337.66	337.17	6

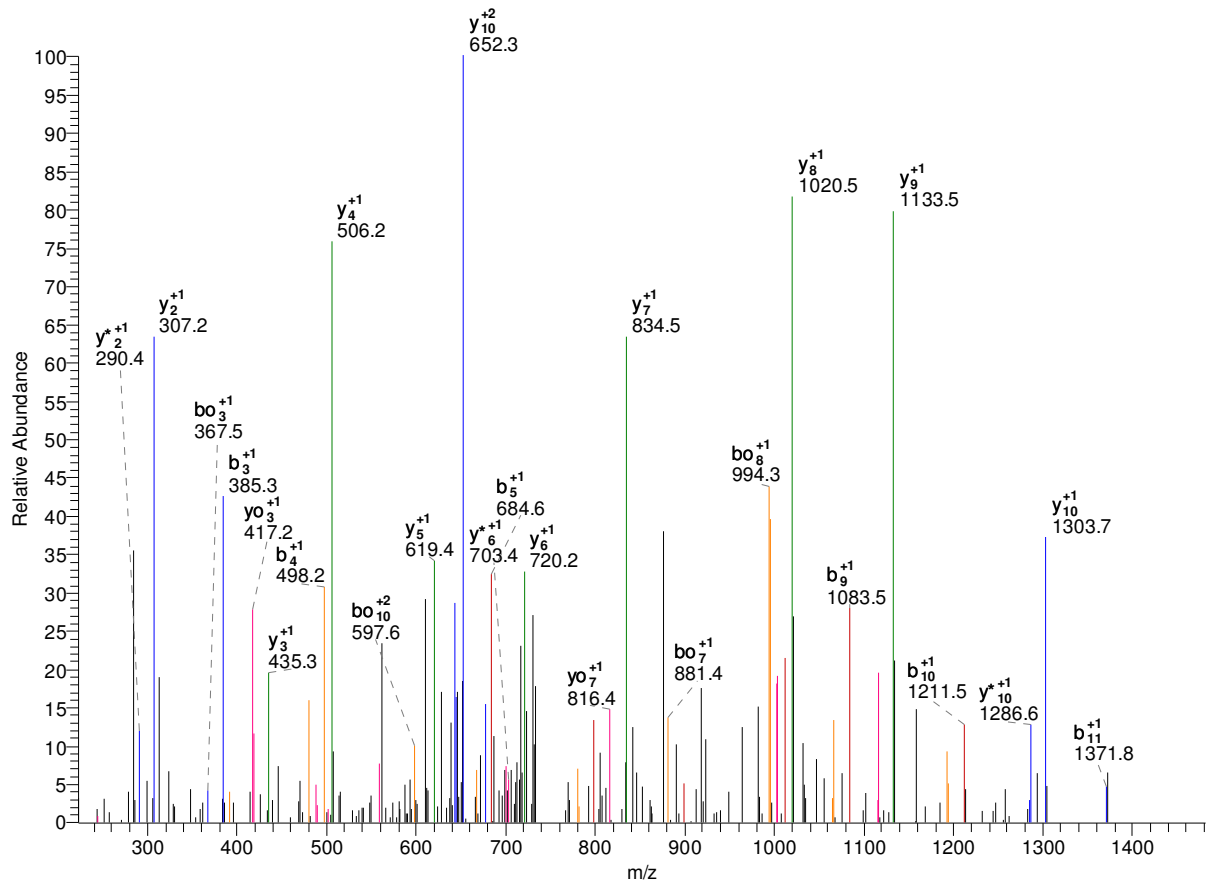
8	A	393.70	385.19	384.70	289.63	281.12	280.63	5
9	N	450.72	442.21	441.72	254.12	245.60	245.11	4
10	D	508.24	499.72	499.23	197.09	188.58	188.09	3
11	M	573.76	565.25	564.75	139.58	131.07	130.58	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1517.81 K.TIK*LWNTLAQC@K.Y

psu|PF08_0019 | organism=Plasmodium_falciparum_3D7 | product=receptor for activated C kinase homolo136 - 148

#5159-5159 NL:4.55E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	12
2	I	215.14	198.11	197.13	1416.77	1399.74	1398.76	11
3	K*	385.24	368.22	367.23	1303.68	1286.66	1285.67	10
4	L	498.33	481.30	480.32	1133.58	1116.55	1115.57	9
5	W	684.41	667.38	666.40	1020.49	1003.47	1002.48	8
6	N	798.45	781.42	780.44	834.41	817.39	816.40	7
7	T	899.50	882.47	881.49	720.37	703.34	702.36	6
8	L	1012.58	995.56	994.57	619.32	602.30	601.31	5
9	A	1083.62	1066.59	1065.61	506.24	489.21	488.23	4
10	Q	1211.68	1194.65	1193.67	435.20	418.18	417.19	3
11	C@	1371.71	1354.68	1353.70	307.14	290.12	289.13	2
12	K	-	-	-	147.11	130.09	129.10	1

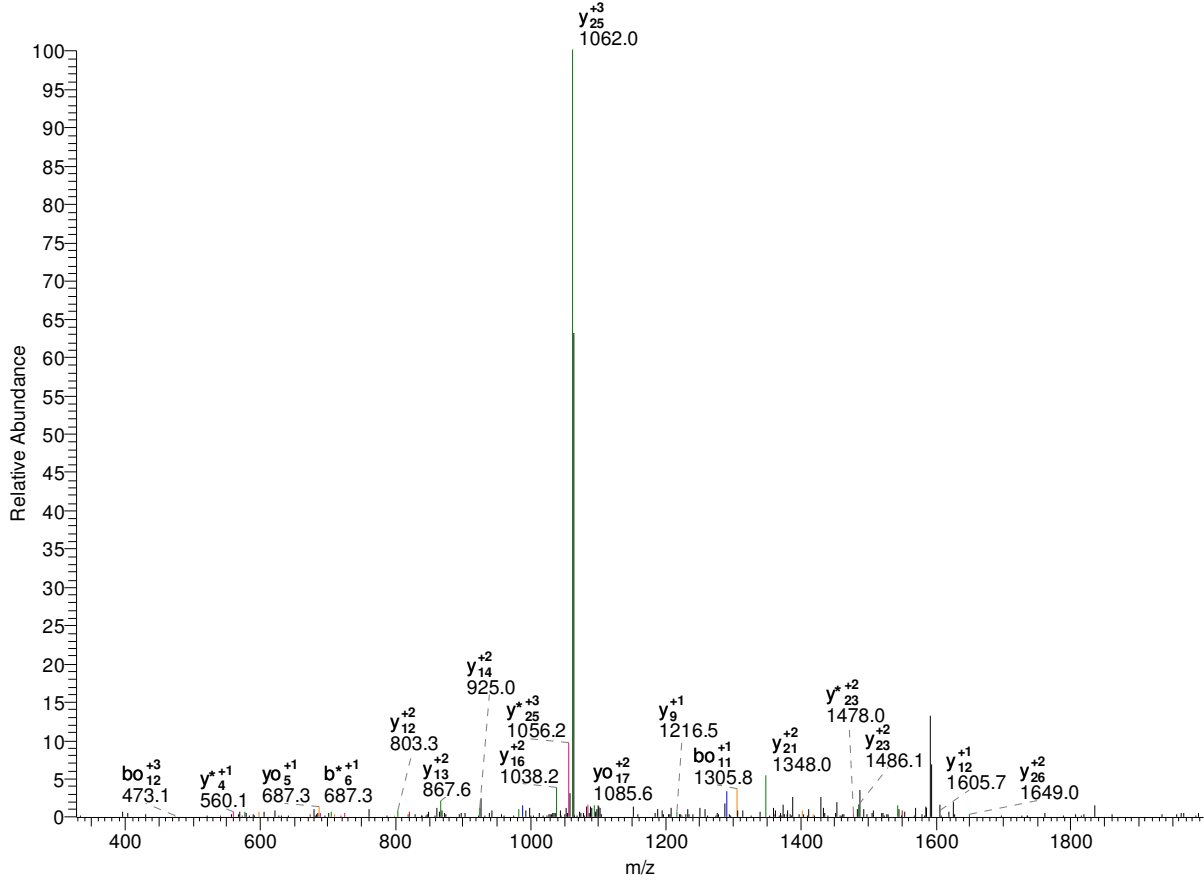
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	12
2	I	108.07	99.56	99.07	708.89	700.37	699.88	11
3	K*	193.13	184.61	184.12	652.34	643.83	643.34	10
4	L	249.67	241.15	240.66	567.29	558.78	558.29	9
5	W	342.71	334.19	333.70	510.75	502.24	501.74	8
6	N	399.73	391.22	390.72	417.71	409.20	408.71	7
7	T	450.25	441.74	441.25	360.69	352.18	351.68	6

8	L	506.79	498.28	497.79	310.17	301.65	301.16	5
9	A	542.31	533.80	533.31	253.62	245.11	244.62	4
10	Q	606.34	597.83	597.34	218.10	209.59	209.10	3
11	C@	686.36	677.84	677.35	154.08	145.56	145.07	2
12	K	-	-	-	74.06	65.55	65.05	1

-

Acetylation is in one location or the other. This scan is ambiguous:
 3397.65 K.TLPDNYDNYNILIDK*PEYVEK*LQWEDK.W
 psu|PF14_0589 | organism=Plasmodium_falciiparum_3D7 | product=valine - tRNA ligase,
 putative | locat 729 - 756

#8309-8309 NL: 6.85E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	27
2	L	215.14	198.11	197.13	3296.60	3279.57	3278.59	26
3	P	312.19	295.17	294.18	3183.52	3166.49	3165.51	25
4	D	427.22	410.19	409.21	3086.46	3069.44	3068.45	24
5	N	541.26	524.24	523.25	2971.44	2954.41	2953.43	23
6	Y	704.32	687.30	686.31	2857.39	2840.37	2839.38	22
7	D	819.35	802.33	801.34	2694.33	2677.30	2676.32	21
8	N	933.39	916.37	915.38	2579.30	2562.28	2561.29	20
9	Y	1096.46	1079.43	1078.45	2465.26	2448.23	2447.25	19
10	N	1210.50	1193.47	1192.49	2302.20	2285.17	2284.19	18
11	I	1323.59	1306.56	1305.57	2188.15	2171.13	2170.14	17
12	L	1436.67	1419.64	1418.66	2075.07	2058.04	2057.06	16
13	I	1549.75	1532.73	1531.74	1961.99	1944.96	1943.97	15
14	D	1664.78	1647.75	1646.77	1848.90	1831.87	1830.89	14
15	K	1792.88	1775.85	1774.86	1733.87	1716.85	1715.86	13
16	P	1889.93	1872.90	1871.92	1605.78	1588.75	1587.77	12
17	E	2018.97	2001.94	2000.96	1508.73	1491.70	1490.72	11
18	Y	2182.03	2165.01	2164.02	1379.68	1362.66	1361.67	10
19	V	2281.10	2264.08	2263.09	1216.62	1199.59	1198.61	9
20	E	2410.14	2393.12	2392.13	1117.55	1100.53	1099.54	8
21	K*	2580.25	2563.22	2562.24	988.51	971.48	970.50	7

22	L	2693.33	2676.31	2675.32	818.40	801.38	800.39	6
23	Q	2821.39	2804.37	2803.38	705.32	688.29	687.31	5
24	W	3007.47	2990.45	2989.46	577.26	560.24	559.25	4
25	E	3136.51	3119.49	3118.50	391.18	374.16	373.17	3
26	D	3251.54	3234.52	3233.53	262.14	245.11	244.13	2
27	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	27
2	L	108.07	99.56	99.07	1648.80	1640.29	1639.80	26
3	P	156.60	148.09	147.59	1592.26	1583.75	1583.26	25
4	D	214.11	205.60	205.11	1543.74	1535.22	1534.73	24
5	N	271.13	262.62	262.13	1486.22	1477.71	1477.22	23
6	Y	352.67	344.15	343.66	1429.20	1420.69	1420.19	22
7	D	410.18	401.67	401.17	1347.67	1339.16	1338.66	21
8	N	467.20	458.69	458.20	1290.16	1281.64	1281.15	20
9	Y	548.73	540.22	539.73	1233.13	1224.62	1224.13	19
10	N	605.75	597.24	596.75	1151.60	1143.09	1142.60	18
11	I	662.30	653.78	653.29	1094.58	1086.07	1085.58	17
12	L	718.84	710.32	709.83	1038.04	1029.53	1029.03	16
13	I	775.38	766.87	766.38	981.50	972.98	972.49	15
14	D	832.89	824.38	823.89	924.95	916.44	915.95	14
15	K	896.94	888.43	887.94	867.44	858.93	858.44	13
16	P	945.47	936.95	936.46	803.39	794.88	794.39	12
17	E	1009.99	1001.48	1000.98	754.87	746.35	745.86	11
18	Y	1091.52	1083.01	1082.52	690.35	681.83	681.34	10
19	V	1141.05	1132.54	1132.05	608.81	600.30	599.81	9
20	E	1205.58	1197.06	1196.57	559.28	550.77	550.27	8
21	K*	1290.63	1282.12	1281.62	494.76	486.25	485.75	7
22	L	1347.17	1338.66	1338.17	409.71	401.19	400.70	6
23	Q	1411.20	1402.69	1402.19	353.16	344.65	344.16	5
24	W	1504.24	1495.73	1495.23	289.13	280.62	280.13	4
25	E	1568.76	1560.25	1559.76	196.09	187.58	187.09	3
26	D	1626.27	1617.76	1617.27	131.57	123.06	122.57	2
27	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	T	34.69	29.01	28.69	-	-	-	27
2	L	72.38	66.71	66.38	1099.54	1093.86	1093.53	26
3	P	104.74	99.06	98.73	1061.84	1056.17	1055.84	25
4	D	143.08	137.40	137.07	1029.49	1023.82	1023.49	24
5	N	181.09	175.42	175.09	991.15	985.47	985.15	23
6	Y	235.45	229.77	229.44	953.14	947.46	947.13	22
7	D	273.79	268.11	267.79	898.78	893.11	892.78	21
8	N	311.80	306.13	305.80	860.44	854.76	854.44	20
9	Y	366.16	360.48	360.15	822.42	816.75	816.42	19
10	N	404.17	398.50	398.17	768.07	762.39	762.07	18
11	I	441.87	436.19	435.86	730.06	724.38	724.05	17
12	L	479.56	473.89	473.56	692.36	686.69	686.36	16
13	I	517.26	511.58	511.25	654.67	648.99	648.66	15
14	D	555.60	549.92	549.59	616.97	611.30	610.97	14
15	K	598.30	592.62	592.29	578.63	572.95	572.63	13
16	P	630.65	624.97	624.64	535.93	530.26	529.93	12
17	E	673.66	667.99	667.66	503.58	497.90	497.58	11
18	Y	728.02	722.34	722.01	460.57	454.89	454.56	10
19	V	761.04	755.36	755.04	406.21	400.54	400.21	9
20	E	804.05	798.38	798.05	373.19	367.51	367.19	8
21	K*	860.75	855.08	854.75	330.17	324.50	324.17	7

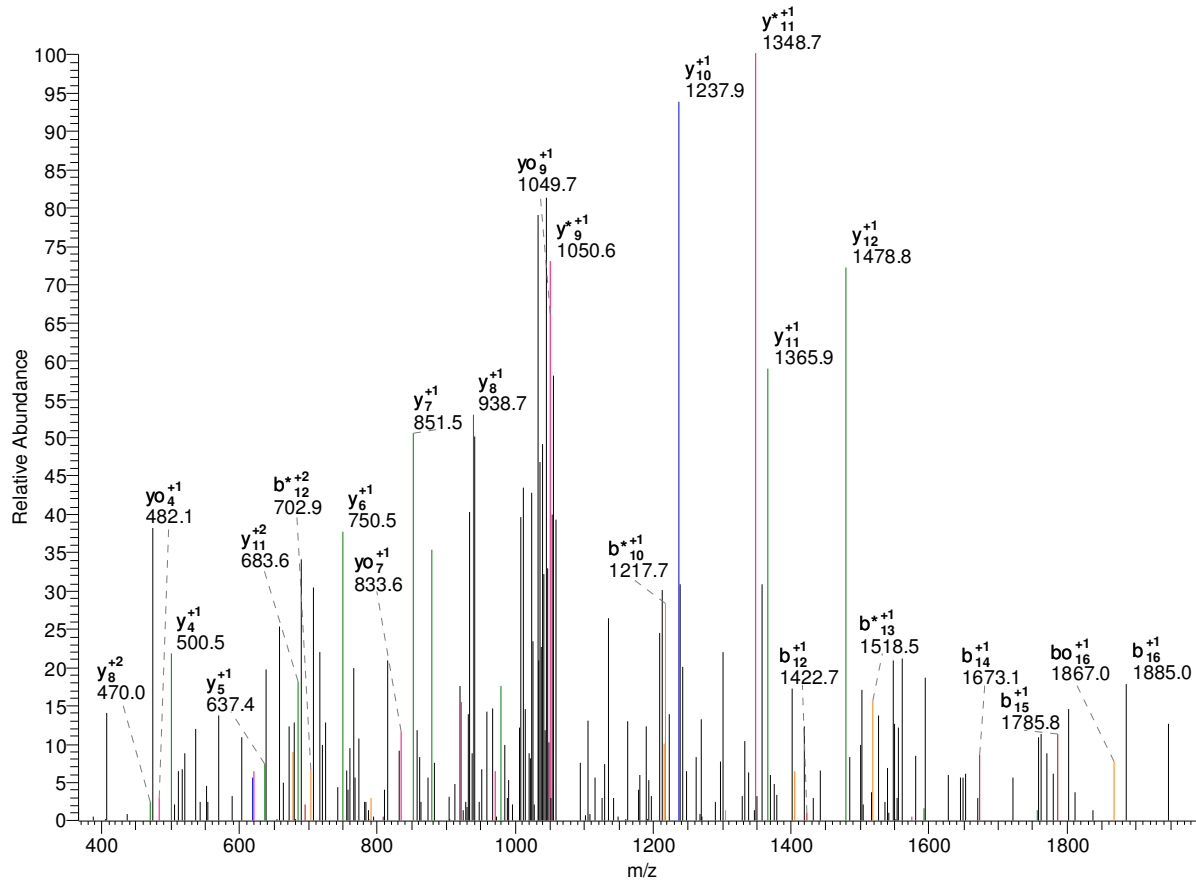
22	L	898.45	892.77	892.45	273.47	267.80	267.47	6
23	Q	941.14	935.46	935.13	235.78	230.10	229.77	5
24	W	1003.16	997.49	997.16	193.09	187.42	187.09	4
25	E	1046.18	1040.50	1040.17	131.07	125.39	125.06	3
26	D	1084.52	1078.84	1078.52	88.05	82.38	82.05	2
27	K	-	-	-	49.71	44.03	43.71	1

-

2172.17 R.TLSDYNIQK*ESTLHLVLR.L

psu|PF13_0346 | organism=Plasmodium_falciparum_3D7 | product=ubiquitin/ribosomal fusion protein uba 54 - 72

#7401-7401 NL:2.88E1



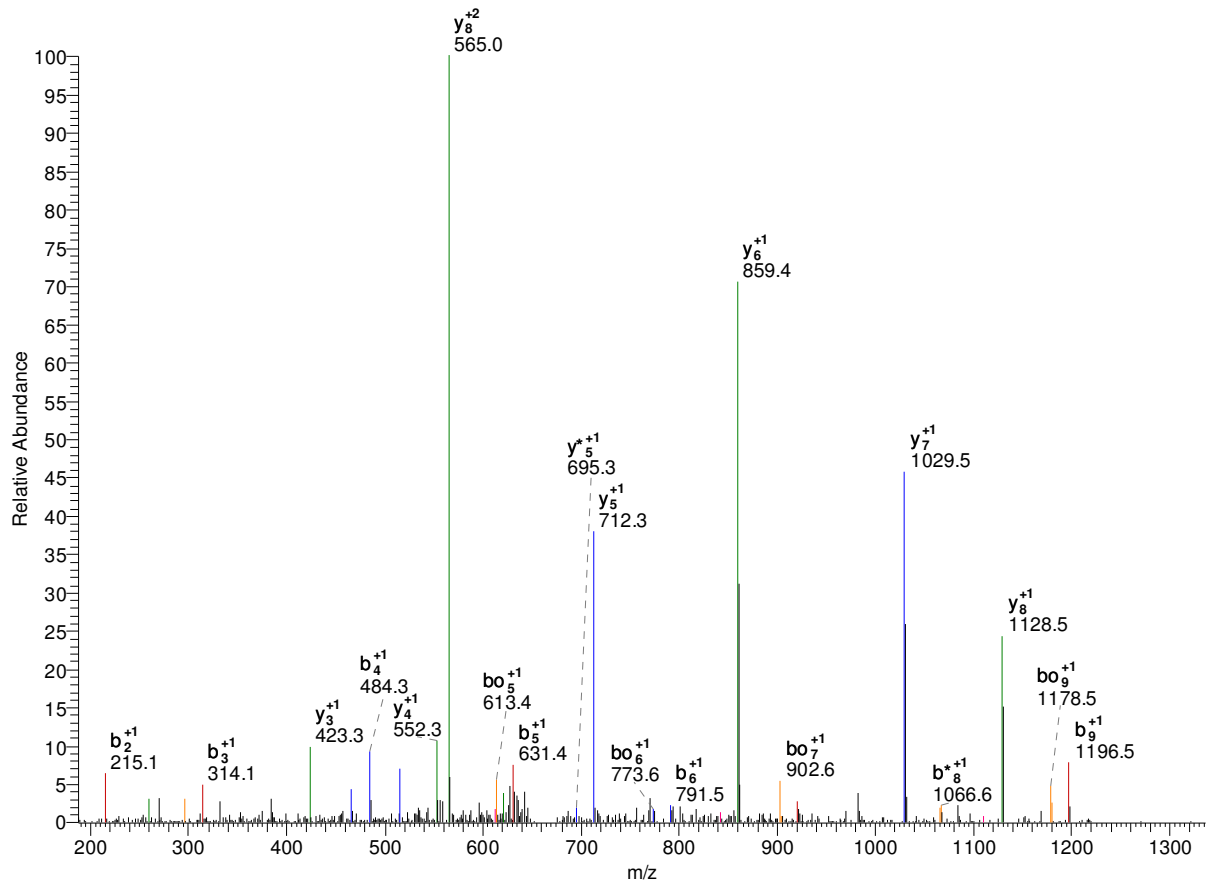
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	18
2	L	215.14	198.11	197.13	2071.12	2054.09	2053.11	17
3	S	302.17	285.14	284.16	1958.03	1941.01	1940.02	16
4	D	417.20	400.17	399.19	1871.00	1853.98	1852.99	15
5	Y	580.26	563.23	562.25	1755.98	1738.95	1737.96	14
6	N	694.30	677.28	676.29	1592.91	1575.89	1574.90	13
7	I	807.39	790.36	789.38	1478.87	1461.84	1460.86	12
8	Q	935.45	918.42	917.44	1365.78	1348.76	1347.77	11
9	K*	1105.55	1088.53	1087.54	1237.73	1220.70	1219.72	10
10	E	1234.60	1217.57	1216.58	1067.62	1050.59	1049.61	9
11	S	1321.63	1304.60	1303.62	938.58	921.55	920.57	8
12	T	1422.67	1405.65	1404.66	851.55	834.52	833.54	7
13	L	1535.76	1518.73	1517.75	750.50	733.47	732.49	6
14	H	1672.82	1655.79	1654.81	637.41	620.39	619.40	5
15	L	1785.90	1768.88	1767.89	500.36	483.33	482.34	4
16	V	1884.97	1867.94	1866.96	387.27	370.24	369.26	3
17	L	1998.05	1981.03	1980.04	288.20	271.18	270.19	2
18	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	18

2	L	108.07	99.56	99.07	1036.06	1027.55	1027.06	17
3	S	151.59	143.08	142.58	979.52	971.01	970.52	16
4	D	209.10	200.59	200.10	936.00	927.49	927.00	15
5	Y	290.63	282.12	281.63	878.49	869.98	869.49	14
6	N	347.66	339.14	338.65	796.96	788.45	787.95	13
7	I	404.20	395.68	395.19	739.94	731.42	730.93	12
8	Q	468.23	459.71	459.22	683.40	674.88	674.39	11
9	K*	553.28	544.77	544.27	619.37	610.85	610.36	10
10	E	617.80	609.29	608.80	534.31	525.80	525.31	9
11	S	661.32	652.80	652.31	469.79	461.28	460.79	8
12	T	711.84	703.33	702.84	426.28	417.76	417.27	7
13	L	768.38	759.87	759.38	375.75	367.24	366.75	6
14	H	836.91	828.40	827.91	319.21	310.70	310.21	5
15	L	893.45	884.94	884.45	250.68	242.17	241.68	4
16	V	942.99	934.48	933.98	194.14	185.63	185.13	3
17	L	999.53	991.02	990.53	144.61	136.09	135.60	2
18	R	-	-	-	88.06	79.55	79.06	1

1342.71 K.TLVK*FC@EYLK.K
 psu|PF10_0121 | organism=Plasmodium_falciparum_3D7 | product=hypoxanthine
 phosphoribosyltransferase 151 - 161
 #6857-6857 NL: 1.00E3



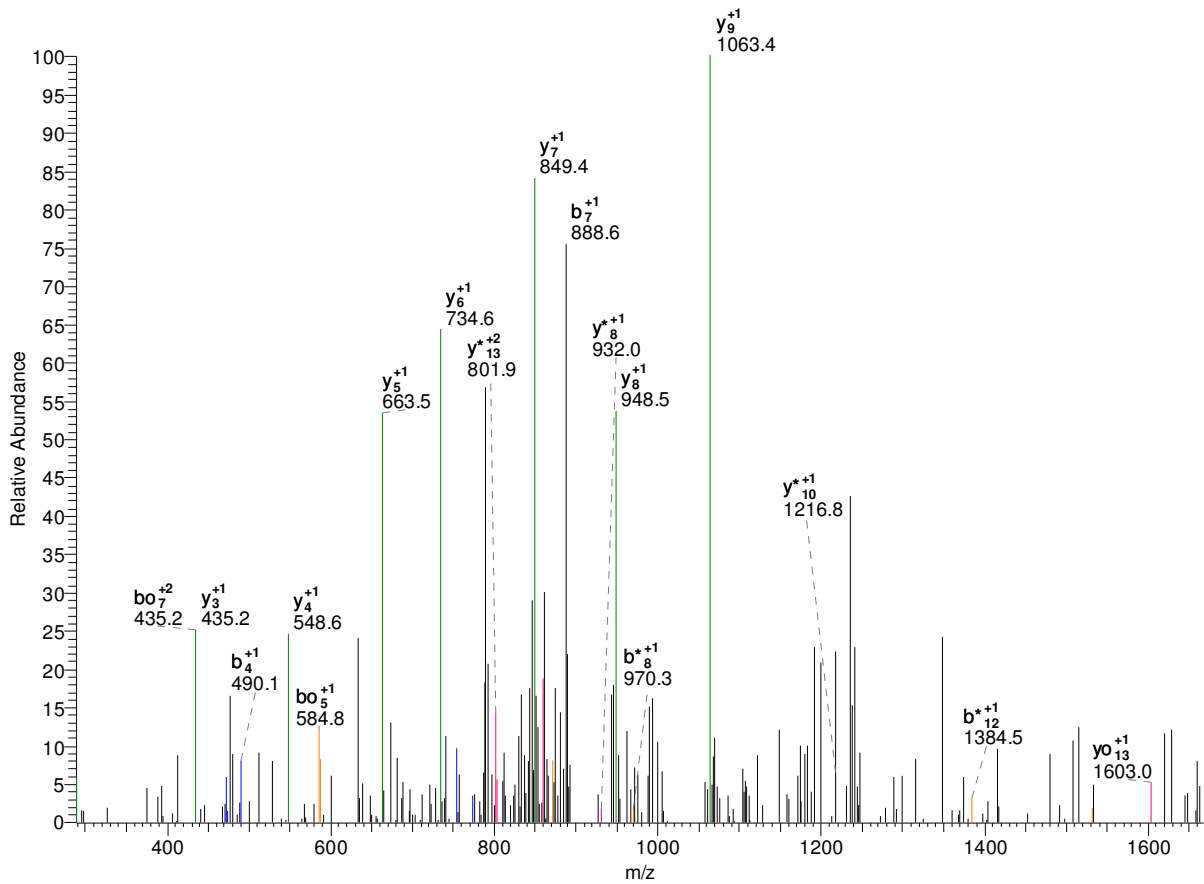
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	10
2	L	215.14	198.11	197.13	1241.66	1224.63	1223.65	9
3	V	314.21	297.18	296.20	1128.58	1111.55	1110.57	8
4	K*	484.31	467.29	466.30	1029.51	1012.48	1011.50	7
5	F	631.38	614.35	613.37	859.40	842.38	841.39	6
6	C@	791.41	774.39	773.40	712.33	695.31	694.32	5
7	E	920.45	903.43	902.44	552.30	535.28	534.29	4
8	Y	1083.52	1066.49	1065.51	423.26	406.23	405.25	3
9	L	1196.60	1179.58	1178.59	260.20	243.17	242.19	2
10	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	10
2	L	108.07	99.56	99.07	621.33	612.82	612.33	9
3	V	157.61	149.09	148.60	564.79	556.28	555.79	8
4	K*	242.66	234.15	233.65	515.26	506.74	506.25	7
5	F	316.19	307.68	307.19	430.20	421.69	421.20	6
6	C@	396.21	387.70	387.20	356.67	348.16	347.67	5
7	E	460.73	452.22	451.73	276.66	268.14	267.65	4
8	Y	542.26	533.75	533.26	212.13	203.62	203.13	3
9	L	598.80	590.29	589.80	130.60	122.09	121.60	2

10	K	-	-	-	74.06	65.55	65.05	1
----	---	---	---	---	-------	-------	-------	---

-

1835.90 K.TNNC@IK*DVDADLFIR.S
 psu|PFD1055w | organism=Plasmodium_falciparum_3D7 | product=ribosomal protein S19s,
 putative | loca 24 - 39
 #5625-5625 NL: 4.75E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	15
2	N	216.10	199.07	198.09	1734.85	1717.82	1716.84	14
3	N	330.14	313.11	312.13	1620.81	1603.78	1602.79	13
4	C@	490.17	473.14	472.16	1506.76	1489.74	1488.75	12
5	I	603.26	586.23	585.24	1346.73	1329.70	1328.72	11
6	K*	773.36	756.33	755.35	1233.65	1216.62	1215.64	10
7	D	888.39	871.36	870.38	1063.54	1046.52	1045.53	9
8	V	987.46	970.43	969.45	948.51	931.49	930.50	8
9	D	1102.48	1085.46	1084.47	849.45	832.42	831.44	7
10	A	1173.52	1156.49	1155.51	734.42	717.39	716.41	6
11	D	1288.55	1271.52	1270.54	663.38	646.36	645.37	5
12	L	1401.63	1384.60	1383.62	548.36	531.33	530.34	4
13	F	1548.70	1531.67	1530.69	435.27	418.24	417.26	3
14	I	1661.78	1644.76	1643.77	288.20	271.18	270.19	2
15	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	15
2	N	108.55	100.04	99.55	867.93	859.41	858.92	14
3	N	165.57	157.06	156.57	810.91	802.39	801.90	13
4	C@	245.59	237.08	236.58	753.88	745.37	744.88	12

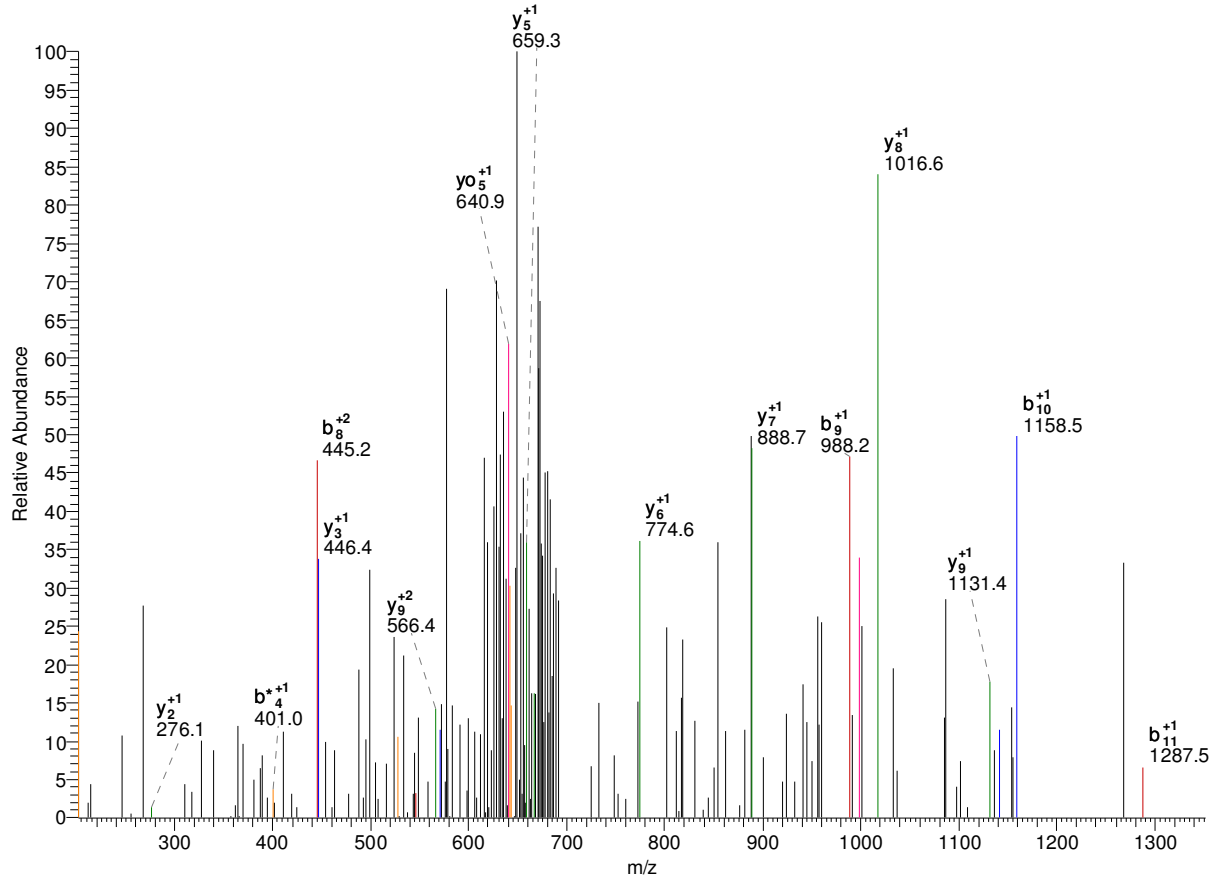
5	I	302.13	293.62	293.13	673.87	665.36	664.86	11
6	K*	387.18	378.67	378.18	617.33	608.81	608.32	10
7	D	444.70	436.18	435.69	532.27	523.76	523.27	9
8	V	494.23	485.72	485.23	474.76	466.25	465.76	8
9	D	551.75	543.23	542.74	425.23	416.71	416.22	7
10	A	587.26	578.75	578.26	367.71	359.20	358.71	6
11	D	644.78	636.26	635.77	332.19	323.68	323.19	5
12	L	701.32	692.81	692.31	274.68	266.17	265.68	4
13	F	774.85	766.34	765.85	218.14	209.63	209.13	3
14	I	831.40	822.88	822.39	144.61	136.09	135.60	2
15	R	-	-	-	88.06	79.55	79.06	1

-

1433.65 K.TNSDQNDNVK*EK.N

psu|PF14_0631 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 2120 - 2132

#1750-1750 NL: 1.93E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	12
2	N	216.10	199.07	198.09	1332.60	1315.58	1314.59	11
3	S	303.13	286.10	285.12	1218.56	1201.53	1200.55	10
4	D	418.16	401.13	400.15	1131.53	1114.50	1113.52	9
5	Q	546.22	529.19	528.20	1016.50	999.47	998.49	8
6	N	660.26	643.23	642.25	888.44	871.42	870.43	7
7	D	775.29	758.26	757.27	774.40	757.37	756.39	6
8	N	889.33	872.30	871.32	659.37	642.35	641.36	5
9	V	988.40	971.37	970.39	545.33	528.30	527.32	4
10	K*	1158.50	1141.48	1140.49	446.26	429.23	428.25	3
11	E	1287.54	1270.52	1269.53	276.16	259.13	258.14	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	12
2	N	108.55	100.04	99.55	666.80	658.29	657.80	11
3	S	152.07	143.56	143.06	609.78	601.27	600.78	10
4	D	209.58	201.07	200.58	566.27	557.75	557.26	9
5	Q	273.61	265.10	264.61	508.75	500.24	499.75	8
6	N	330.63	322.12	321.63	444.72	436.21	435.72	7
7	D	388.15	379.63	379.14	387.70	379.19	378.70	6

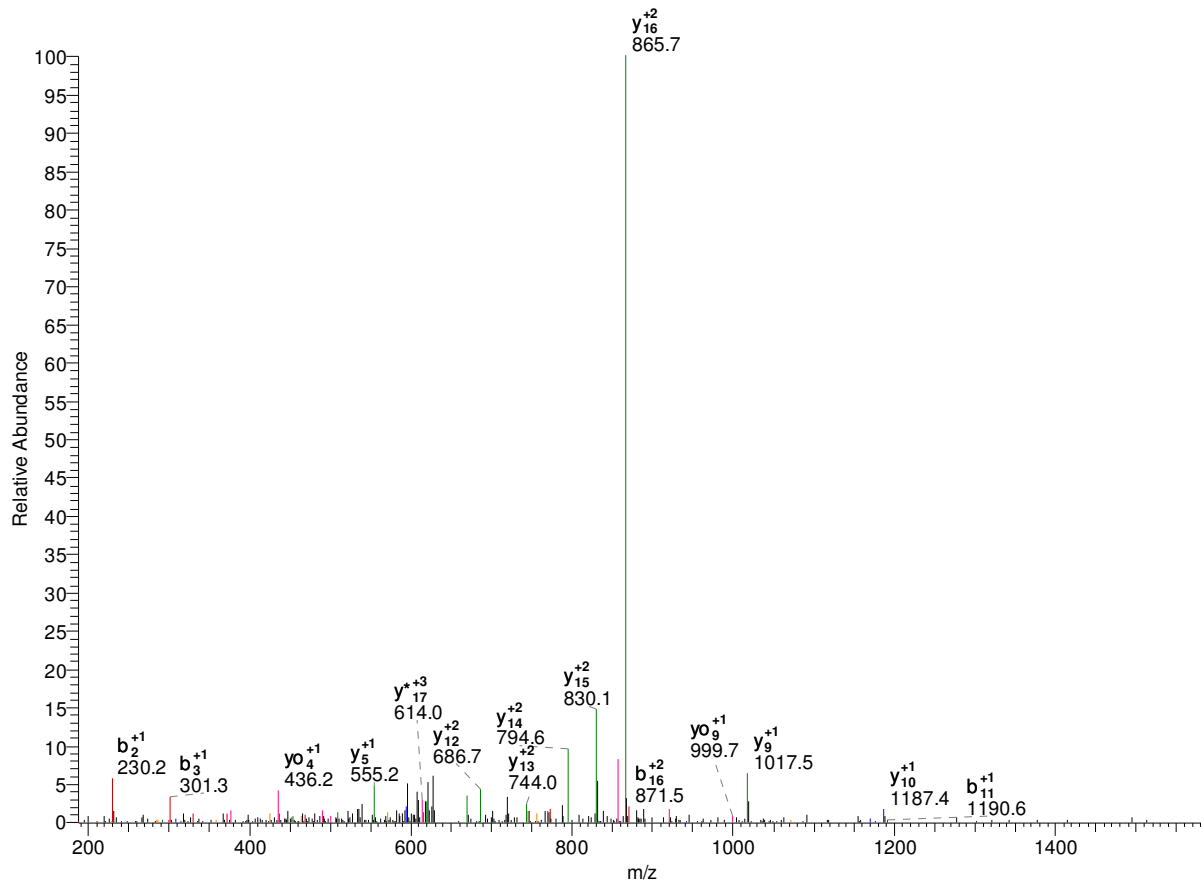
8	N	445.17	436.65	436.16	330.19	321.68	321.18	5
9	V	494.70	486.19	485.70	273.17	264.66	264.16	4
10	K*	579.75	571.24	570.75	223.63	215.12	214.63	3
11	E	644.28	635.76	635.27	138.58	130.07	129.58	2
12	K	-	-	-	74.06	65.55	65.05	1

—

1959.02 R.TQAATDAIK*FTVDTHVAK.N

psu|PF14_0352 | organism=Plasmodium_falciparum_3D7 | product=ribonucleoside-diphosphate reductase, 781 - 799

#4151-4151 NL:5.47E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	18
2	Q	230.11	213.09	212.10	1857.97	1840.94	1839.96	17
3	A	301.15	284.12	283.14	1729.91	1712.89	1711.90	16
4	A	372.19	355.16	354.18	1658.87	1641.85	1640.86	15
5	T	473.24	456.21	455.22	1587.84	1570.81	1569.83	14
6	D	588.26	571.24	570.25	1486.79	1469.76	1468.78	13
7	A	659.30	642.27	641.29	1371.76	1354.74	1353.75	12
8	I	772.38	755.36	754.37	1300.73	1283.70	1282.72	11
9	K*	942.49	925.46	924.48	1187.64	1170.62	1169.63	10
10	F	1089.56	1072.53	1071.55	1017.54	1000.51	999.53	9
11	T	1190.61	1173.58	1172.59	870.47	853.44	852.46	8
12	V	1289.67	1272.65	1271.66	769.42	752.39	751.41	7
13	D	1404.70	1387.67	1386.69	670.35	653.33	652.34	6
14	T	1505.75	1488.72	1487.74	555.32	538.30	537.31	5
15	H	1642.81	1625.78	1624.80	454.28	437.25	436.27	4
16	V	1741.88	1724.85	1723.86	317.22	300.19	299.21	3
17	A	1812.91	1795.89	1794.90	218.15	201.12	200.14	2
18	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	18

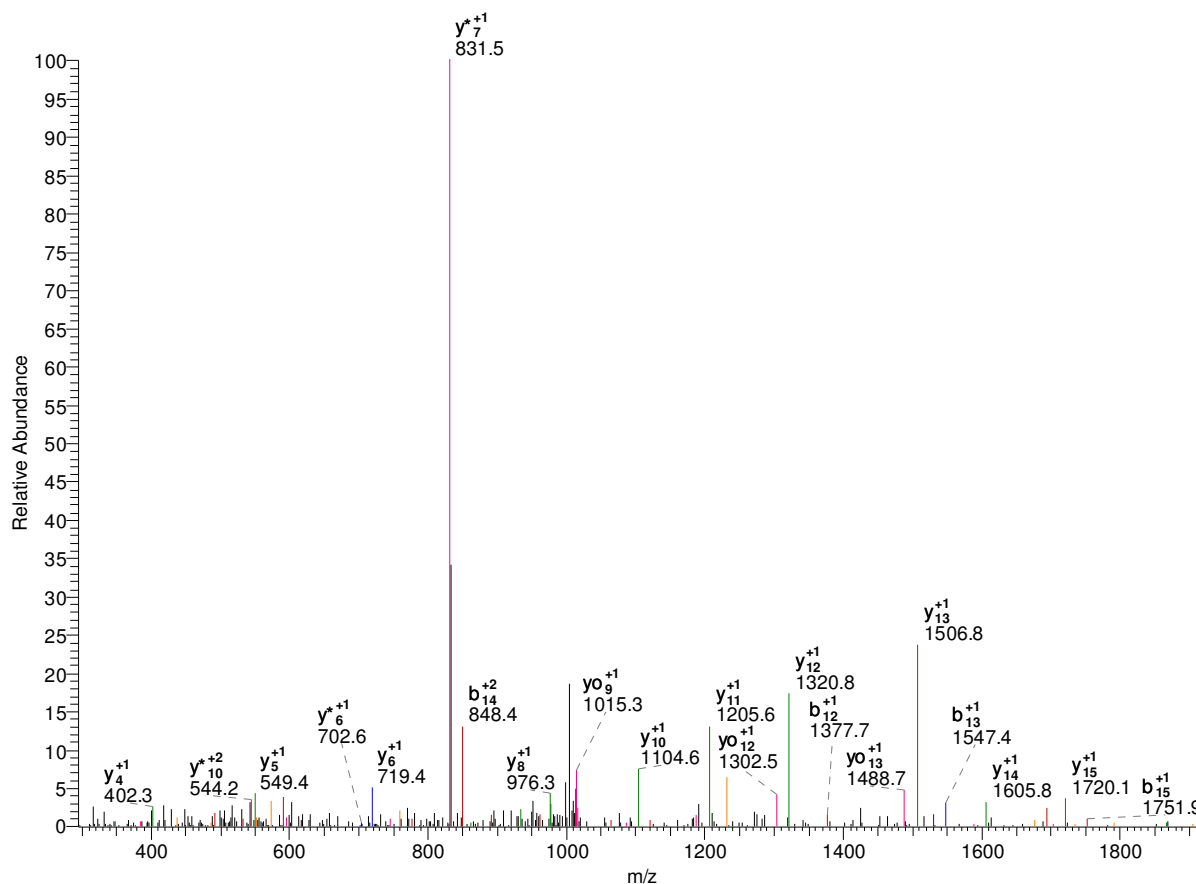
2	Q	115.56	107.05	106.56	929.49	920.98	920.48	17
3	A	151.08	142.57	142.07	865.46	856.95	856.45	16
4	A	186.60	178.08	177.59	829.94	821.43	820.94	15
5	T	237.12	228.61	228.12	794.42	785.91	785.42	14
6	D	294.63	286.12	285.63	743.90	735.39	734.89	13
7	A	330.15	321.64	321.15	686.39	677.87	677.38	12
8	I	386.70	378.18	377.69	650.87	642.35	641.86	11
9	K*	471.75	463.23	462.74	594.32	585.81	585.32	10
10	F	545.28	536.77	536.28	509.27	500.76	500.27	9
11	T	595.81	587.29	586.80	435.74	427.22	426.73	8
12	V	645.34	636.83	636.34	385.21	376.70	376.21	7
13	D	702.85	694.34	693.85	335.68	327.17	326.67	6
14	T	753.38	744.86	744.37	278.17	269.65	269.16	5
15	H	821.91	813.39	812.90	227.64	219.13	218.64	4
16	V	871.44	862.93	862.44	159.11	150.60	150.11	3
17	A	906.96	898.45	897.95	109.58	101.07	100.57	2
18	K	-	-	-	74.06	65.55	65.05	1

		B	B*	B0	Y	Y*	Y0	
1	T	34.69	29.01	28.69	-	-	-	18
2	Q	77.38	71.70	71.37	620.00	614.32	613.99	17
3	A	101.06	95.38	95.05	577.31	571.63	571.31	16
4	A	124.73	119.06	118.73	553.63	547.95	547.63	15
5	T	158.42	152.74	152.41	529.95	524.28	523.95	14
6	D	196.76	191.08	190.76	496.27	490.59	490.26	13
7	A	220.44	214.76	214.43	457.93	452.25	451.92	12
8	I	258.13	252.46	252.13	434.25	428.57	428.24	11
9	K*	314.83	309.16	308.83	396.55	390.88	390.55	10
10	F	363.86	358.18	357.85	339.85	334.17	333.85	9
11	T	397.54	391.86	391.54	290.83	285.15	284.82	8
12	V	430.56	424.89	424.56	257.14	251.47	251.14	7
13	D	468.91	463.23	462.90	224.12	218.45	218.12	6
14	T	502.59	496.91	496.58	185.78	180.10	179.78	5
15	H	548.27	542.60	542.27	152.10	146.42	146.09	4
16	V	581.30	575.62	575.29	106.41	100.74	100.41	3
17	A	604.98	599.30	598.97	73.39	67.71	67.38	2
18	K	-	-	-	49.71	44.03	43.71	1

2096.02 K.TQFNVWDTAGQEK*FGGLR.D

psu|PF11_0183 | organism=Plasmodium_falciparum_3D7 | product=GTP-binding nuclear protein ran/tc4 | 57 - 75

#6283-6283 NL: 3.33E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	18
2	Q	230.11	213.09	212.10	1994.97	1977.95	1976.96	17
3	F	377.18	360.16	359.17	1866.91	1849.89	1848.90	16
4	N	491.22	474.20	473.21	1719.84	1702.82	1701.83	15
5	V	590.29	573.27	572.28	1605.80	1588.78	1587.79	14
6	W	776.37	759.35	758.36	1506.73	1489.71	1488.72	13
7	D	891.40	874.37	873.39	1320.65	1303.63	1302.64	12
8	T	992.45	975.42	974.44	1205.63	1188.60	1187.62	11
9	A	1063.48	1046.46	1045.47	1104.58	1087.55	1086.57	10
10	G	1120.51	1103.48	1102.50	1033.54	1016.52	1015.53	9
11	Q	1248.56	1231.54	1230.55	976.52	959.49	958.51	8
12	E	1377.61	1360.58	1359.60	848.46	831.44	830.45	7
13	K*	1547.71	1530.69	1529.70	719.42	702.39	701.41	6
14	F	1694.78	1677.75	1676.77	549.31	532.29	531.30	5
15	G	1751.80	1734.78	1733.79	402.25	385.22	384.24	4
16	G	1808.82	1791.80	1790.81	345.22	328.20	327.21	3
17	L	1921.91	1904.88	1903.90	288.20	271.18	270.19	2
18	R	-	-	-	175.12	158.09	157.11	1

-

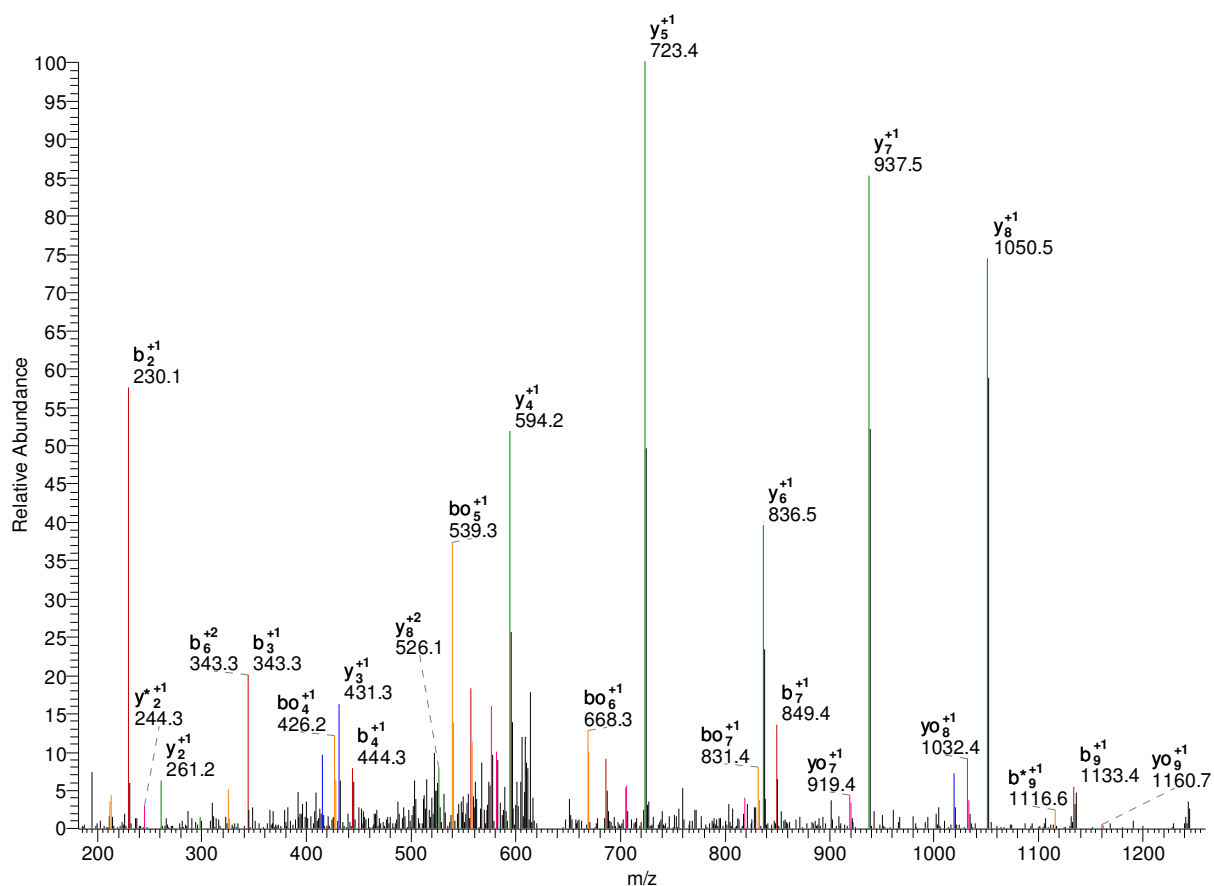
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	18

2	Q	115.56	107.05	106.56	997.99	989.48	988.98	17
3	F	189.09	180.58	180.09	933.96	925.45	924.96	16
4	N	246.12	237.60	237.11	860.43	851.91	851.42	15
5	V	295.65	287.14	286.64	803.40	794.89	794.40	14
6	W	388.69	380.18	379.68	753.87	745.36	744.87	13
7	D	446.20	437.69	437.20	660.83	652.32	651.83	12
8	T	496.73	488.21	487.72	603.32	594.80	594.31	11
9	A	532.25	523.73	523.24	552.79	544.28	543.79	10
10	G	560.76	552.24	551.75	517.27	508.76	508.27	9
11	Q	624.79	616.27	615.78	488.76	480.25	479.76	8
12	E	689.31	680.79	680.30	424.73	416.22	415.73	7
13	K*	774.36	765.85	765.35	360.21	351.70	351.21	6
14	F	847.89	839.38	838.89	275.16	266.65	266.16	5
15	G	876.40	867.89	867.40	201.63	193.11	192.62	4
16	G	904.92	896.40	895.91	173.12	164.60	164.11	3
17	L	961.46	952.94	952.45	144.61	136.09	135.60	2
18	R	-	-	-	88.06	79.55	79.06	1

1279.69 K.TQITIEYK*NK.G

psu|PF11090w | organism=Plasmodium_falciparum_3D7 | product=s-adenosylmethionine synthetase, putati 174 - 184

#2737-2737 NL: 4.38E2



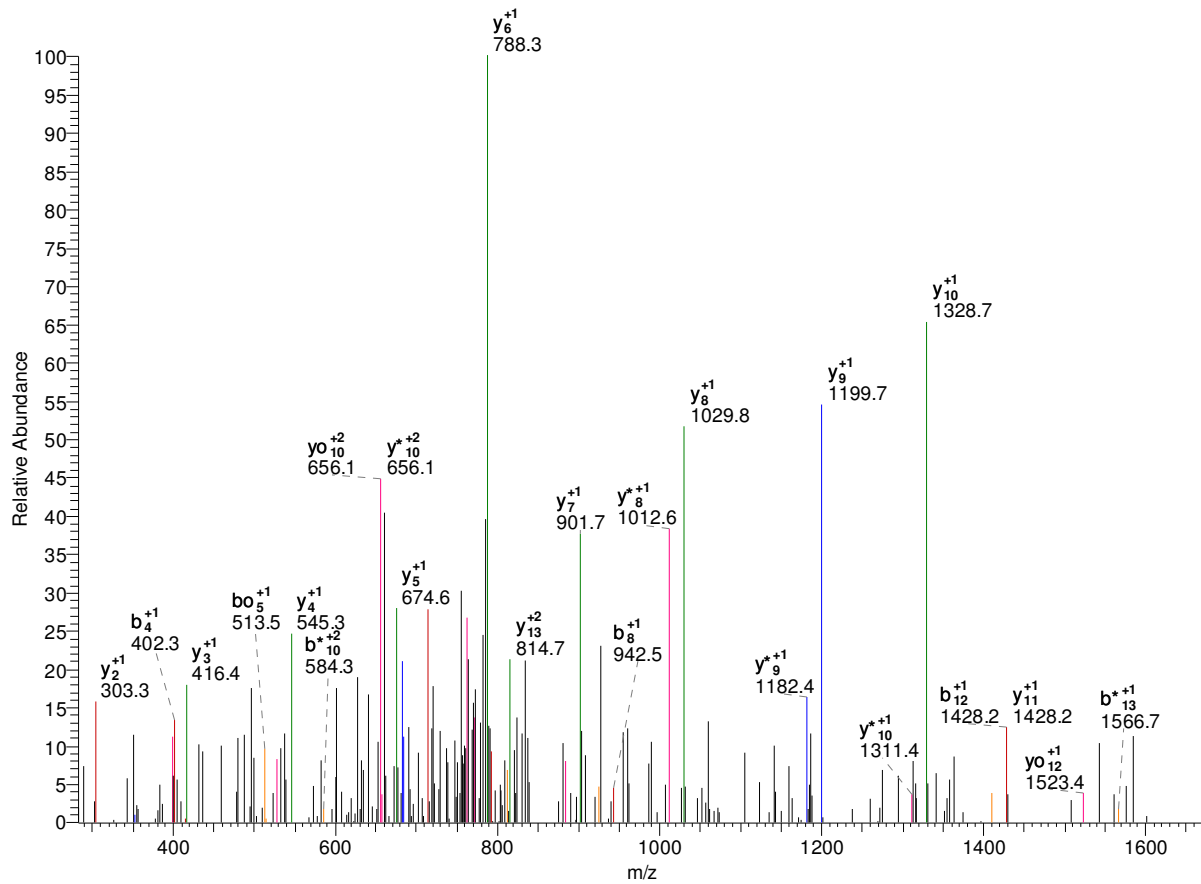
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	10
2	Q	230.11	213.09	212.10	1178.64	1161.62	1160.63	9
3	I	343.20	326.17	325.19	1050.58	1033.56	1032.57	8
4	T	444.25	427.22	426.23	937.50	920.47	919.49	7
5	I	557.33	540.30	539.32	836.45	819.42	818.44	6
6	E	686.37	669.35	668.36	723.37	706.34	705.36	5
7	Y	849.44	832.41	831.42	594.32	577.30	576.31	4
8	K*	1019.54	1002.51	1001.53	431.26	414.23	413.25	3
9	N	1133.58	1116.56	1115.57	261.16	244.13	243.15	2
10	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	10
2	Q	115.56	107.05	106.56	589.82	581.31	580.82	9
3	I	172.10	163.59	163.10	525.80	517.28	516.79	8
4	T	222.63	214.11	213.62	469.25	460.74	460.25	7
5	I	279.17	270.66	270.16	418.73	410.22	409.72	6
6	E	343.69	335.18	334.68	362.19	353.67	353.18	5
7	Y	425.22	416.71	416.22	297.67	289.15	288.66	4
8	K*	510.27	501.76	501.27	216.13	207.62	207.13	3
9	N	567.30	558.78	558.29	131.08	122.57	122.08	2

10	K	-	-	-	74.06	65.55	65.05	1
----	---	---	---	---	-------	-------	-------	---

-

1729.91 K.TSNVEK*QLNEEIRK.E
 psu|PFL2355w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 87 - 101
 #3102-3102 NL: 4.60E1



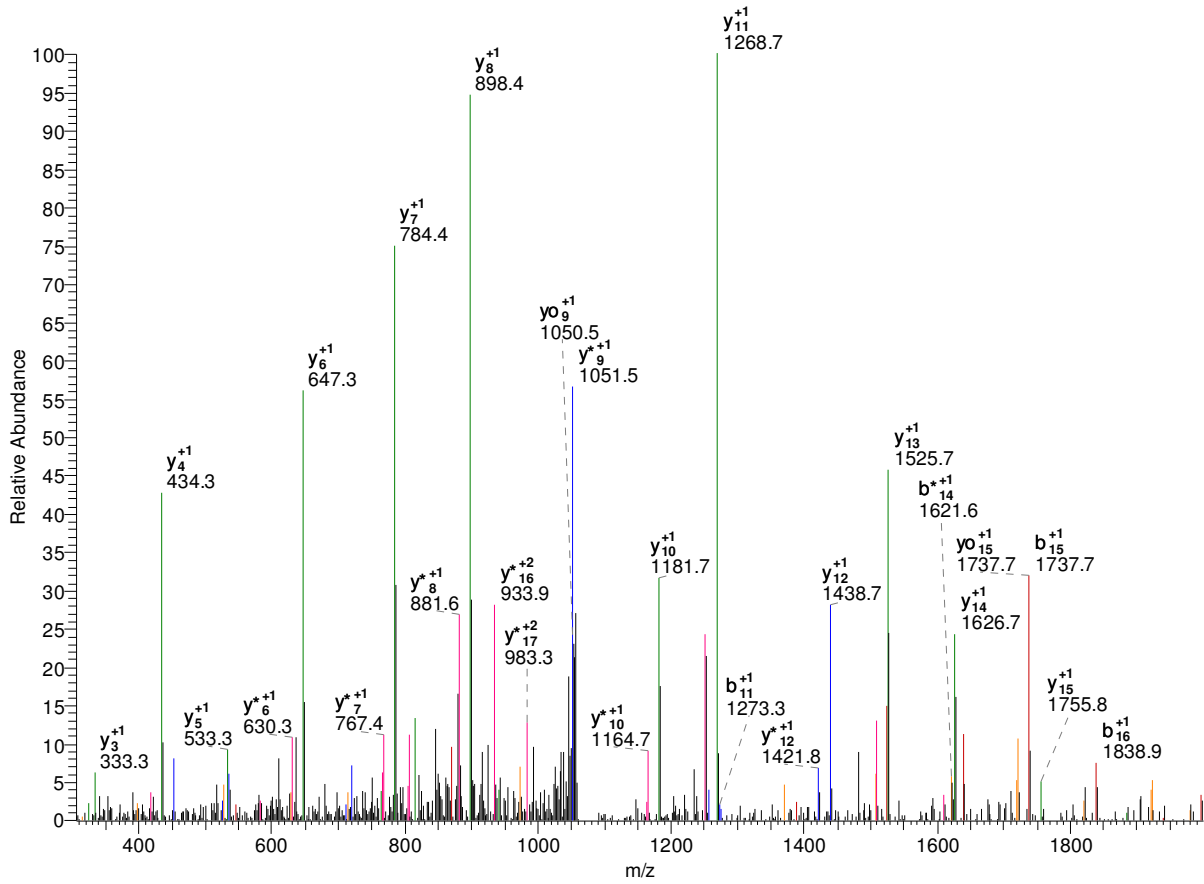
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	14
2	S	189.09	172.06	171.08	1628.86	1611.83	1610.85	13
3	N	303.13	286.10	285.12	1541.83	1524.80	1523.82	12
4	V	402.20	385.17	384.19	1427.79	1410.76	1409.77	11
5	E	531.24	514.21	513.23	1328.72	1311.69	1310.71	10
6	K*	701.35	684.32	683.34	1199.67	1182.65	1181.66	9
7	Q	829.41	812.38	811.39	1029.57	1012.54	1011.56	8
8	L	942.49	925.46	924.48	901.51	884.48	883.50	7
9	N	1056.53	1039.51	1038.52	788.43	771.40	770.42	6
10	E	1185.57	1168.55	1167.56	674.38	657.36	656.37	5
11	E	1314.62	1297.59	1296.61	545.34	528.31	527.33	4
12	I	1427.70	1410.67	1409.69	416.30	399.27	398.29	3
13	R	1583.80	1566.78	1565.79	303.21	286.19	285.20	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	14
2	S	95.05	86.53	86.04	814.93	806.42	805.93	13
3	N	152.07	143.56	143.06	771.42	762.90	762.41	12
4	V	201.60	193.09	192.60	714.40	705.88	705.39	11
5	E	266.12	257.61	257.12	664.86	656.35	655.86	10

6	K*	351.18	342.66	342.17	600.34	591.83	591.34	9
7	Q	415.21	406.69	406.20	515.29	506.77	506.28	8
8	L	471.75	463.23	462.74	451.26	442.75	442.25	7
9	N	528.77	520.26	519.76	394.72	386.20	385.71	6
10	E	593.29	584.78	584.29	337.70	329.18	328.69	5
11	E	657.81	649.30	648.81	273.17	264.66	264.17	4
12	I	714.35	705.84	705.35	208.65	200.14	199.65	3
13	R	792.40	783.89	783.40	152.11	143.60	143.11	2
14	K	-	-	-	74.06	65.55	65.05	1

-

2171.11 K.TSVQETSK*SIK*NHNVTIGR.K
 psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 1811 - 1830
 #1986-1986 NL: 3.46E2



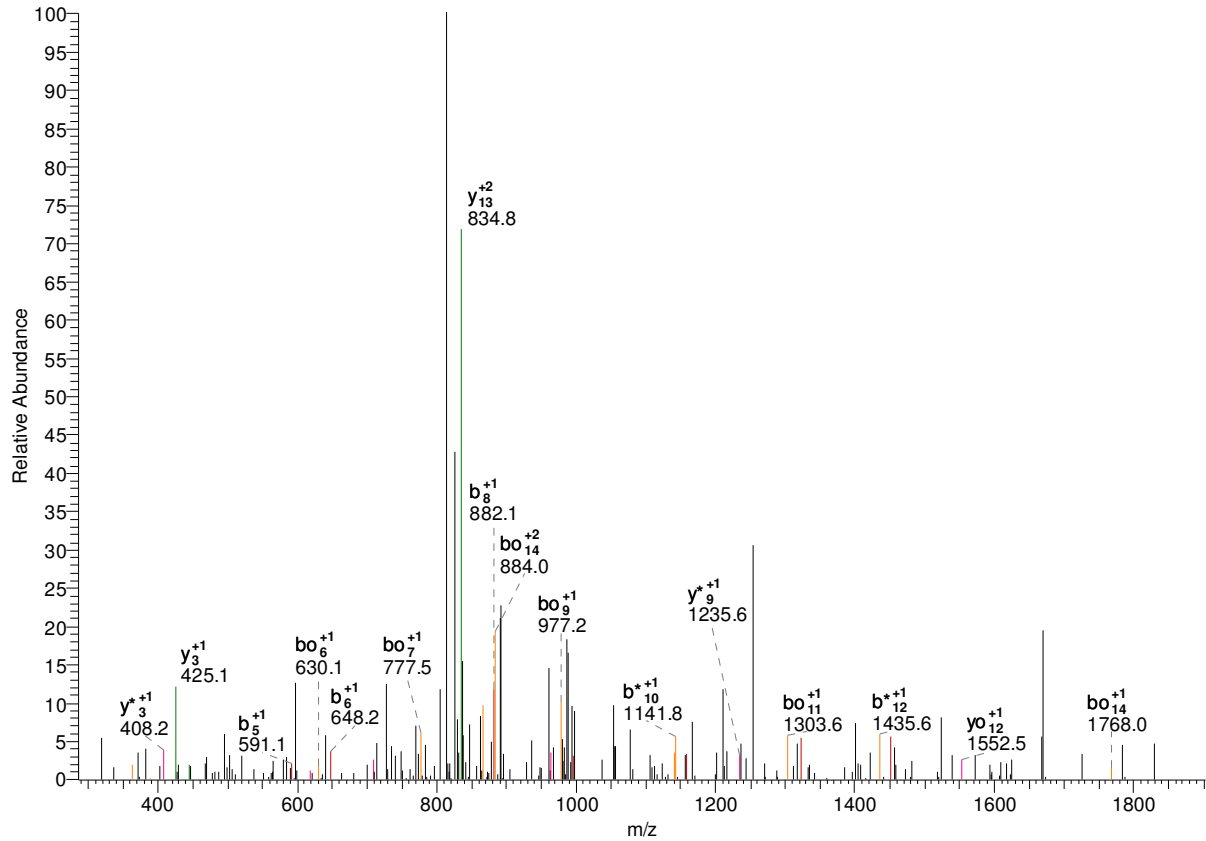
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	19
2	S	189.09	172.06	171.08	2070.06	2053.03	2052.05	18
3	V	288.16	271.13	270.14	1983.03	1966.00	1965.01	17
4	Q	416.21	399.19	398.20	1883.96	1866.93	1865.95	16
5	E	545.26	528.23	527.25	1755.90	1738.87	1737.89	15
6	T	646.30	629.28	628.29	1626.86	1609.83	1608.85	14
7	S	733.34	716.31	715.33	1525.81	1508.78	1507.80	13
8	K*	903.44	886.42	885.43	1438.78	1421.75	1420.77	12
9	S	990.47	973.45	972.46	1268.67	1251.64	1250.66	11
10	I	1103.56	1086.53	1085.55	1181.64	1164.61	1163.63	10
11	K*	1273.66	1256.64	1255.65	1068.55	1051.53	1050.54	9
12	N	1387.71	1370.68	1369.70	898.45	881.42	880.44	8
13	H	1524.77	1507.74	1506.75	784.41	767.38	766.40	7
14	N	1638.81	1621.78	1620.80	647.35	630.32	629.34	6
15	V	1737.88	1720.85	1719.87	533.30	516.28	515.29	5
16	T	1838.92	1821.90	1820.91	434.24	417.21	416.23	4
17	T	1939.97	1922.95	1921.96	333.19	316.16	315.18	3
18	G	1996.99	1979.97	1978.98	232.14	215.11	214.13	2
19	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	

1	T	51.53	43.02	42.53	-	-	-	19
2	S	95.05	86.53	86.04	1035.53	1027.02	1026.53	18
3	V	144.58	136.07	135.58	992.02	983.50	983.01	17
4	Q	208.61	200.10	199.61	942.48	933.97	933.48	16
5	E	273.13	264.62	264.13	878.45	869.94	869.45	15
6	T	323.66	315.14	314.65	813.93	805.42	804.93	14
7	S	367.17	358.66	358.17	763.41	754.89	754.40	13
8	K*	452.22	443.71	443.22	719.89	711.38	710.89	12
9	S	495.74	487.23	486.74	634.84	626.33	625.83	11
10	I	552.28	543.77	543.28	591.32	582.81	582.32	10
11	K*	637.34	628.82	628.33	534.78	526.27	525.78	9
12	N	694.36	685.84	685.35	449.73	441.21	440.72	8
13	H	762.89	754.37	753.88	392.71	384.19	383.70	7
14	N	819.91	811.39	810.90	324.18	315.66	315.17	6
15	V	869.44	860.93	860.44	267.16	258.64	258.15	5
16	T	919.97	911.45	910.96	217.62	209.11	208.62	4
17	T	970.49	961.98	961.48	167.10	158.58	158.09	3
18	G	999.00	990.49	990.00	116.57	108.06	107.57	2
19	R	-	-	-	88.06	79.55	79.06	1

-

2046.92 K.TYDPNGFSLYYMK*YDK.L
 psu|PF13_0214 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1-
 gamma, putative | 311 - 327
 #5897-5897 NL: 1.05E2



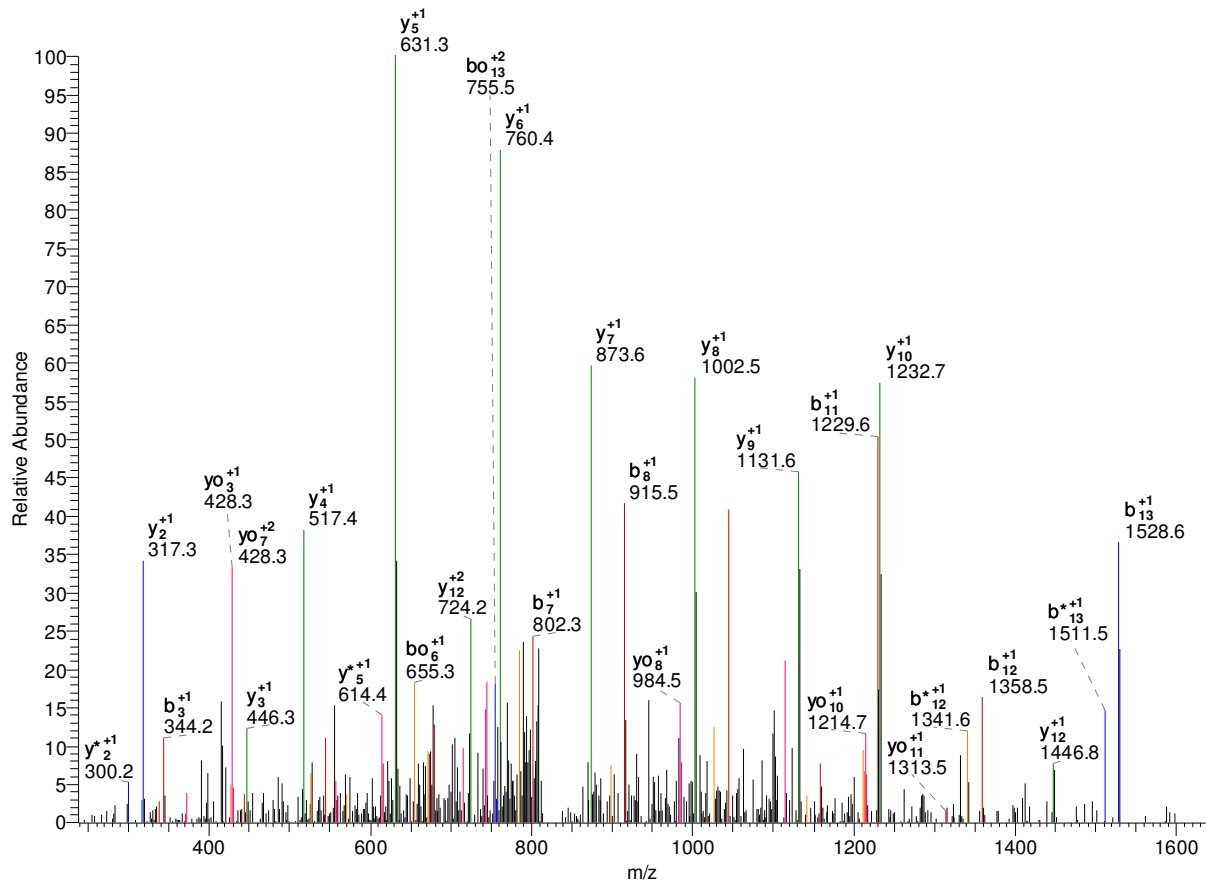
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	16
2	Y	265.12	248.09	247.11	1945.87	1928.84	1927.86	15
3	D	380.15	363.12	362.13	1782.80	1765.78	1764.79	14
4	P	477.20	460.17	459.19	1667.78	1650.75	1649.77	13
5	N	591.24	574.21	573.23	1570.72	1553.70	1552.71	12
6	G	648.26	631.24	630.25	1456.68	1439.66	1438.67	11
7	F	795.33	778.30	777.32	1399.66	1382.63	1381.65	10
8	S	882.36	865.34	864.35	1252.59	1235.57	1234.58	9
9	L	995.45	978.42	977.44	1165.56	1148.53	1147.55	8
10	Y	1158.51	1141.48	1140.50	1052.48	1035.45	1034.47	7
11	Y	1321.57	1304.55	1303.56	889.41	872.39	871.40	6
12	M	1452.61	1435.59	1434.60	726.35	709.32	708.34	5
13	K*	1622.72	1605.69	1604.71	595.31	578.28	577.30	4
14	Y	1785.78	1768.76	1767.77	425.20	408.18	407.19	3
15	D	1900.81	1883.78	1882.80	262.14	245.11	244.13	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	16
2	Y	133.06	124.55	124.06	973.44	964.92	964.43	15
3	D	190.58	182.06	181.57	891.91	883.39	882.90	14

4	P	239.10	230.59	230.10	834.39	825.88	825.39	13
5	N	296.12	287.61	287.12	785.87	777.35	776.86	12
6	G	324.63	316.12	315.63	728.84	720.33	719.84	11
7	F	398.17	389.66	389.16	700.33	691.82	691.33	10
8	S	441.69	433.17	432.68	626.80	618.29	617.79	9
9	L	498.23	489.71	489.22	583.28	574.77	574.28	8
10	Y	579.76	571.25	570.75	526.74	518.23	517.74	7
11	Y	661.29	652.78	652.29	445.21	436.70	436.20	6
12	M	726.81	718.30	717.81	363.68	355.16	354.67	5
13	K*	811.86	803.35	802.86	298.16	289.64	289.15	4
14	Y	893.40	884.88	884.39	213.11	204.59	204.10	3
15	D	950.91	942.40	941.90	131.57	123.06	122.57	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1674.81 K.VEDVTEELENAEK*K.K
 psu|PF07_0029 | organism=Plasmodium_falciparum_3D7 | product=heat shock protein 86 |
 location=MAL7: 276 - 290
 #4627-4627 NL: 1.63E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	14
2	E	229.12	212.09	211.11	1575.74	1558.71	1557.73	13
3	D	344.15	327.12	326.13	1446.70	1429.67	1428.69	12
4	V	443.21	426.19	425.20	1331.67	1314.64	1313.66	11
5	T	544.26	527.23	526.25	1232.60	1215.57	1214.59	10
6	E	673.30	656.28	655.29	1131.55	1114.53	1113.54	9
7	E	802.35	785.32	784.34	1002.51	985.48	984.50	8
8	L	915.43	898.40	897.42	873.47	856.44	855.46	7
9	E	1044.47	1027.45	1026.46	760.38	743.36	742.37	6
10	N	1158.52	1141.49	1140.51	631.34	614.31	613.33	5
11	A	1229.55	1212.53	1211.54	517.30	500.27	499.29	4
12	E	1358.60	1341.57	1340.59	446.26	429.23	428.25	3
13	K*	1528.70	1511.67	1510.69	317.22	300.19	299.21	2
14	K	-	-	-	147.11	130.09	129.10	1

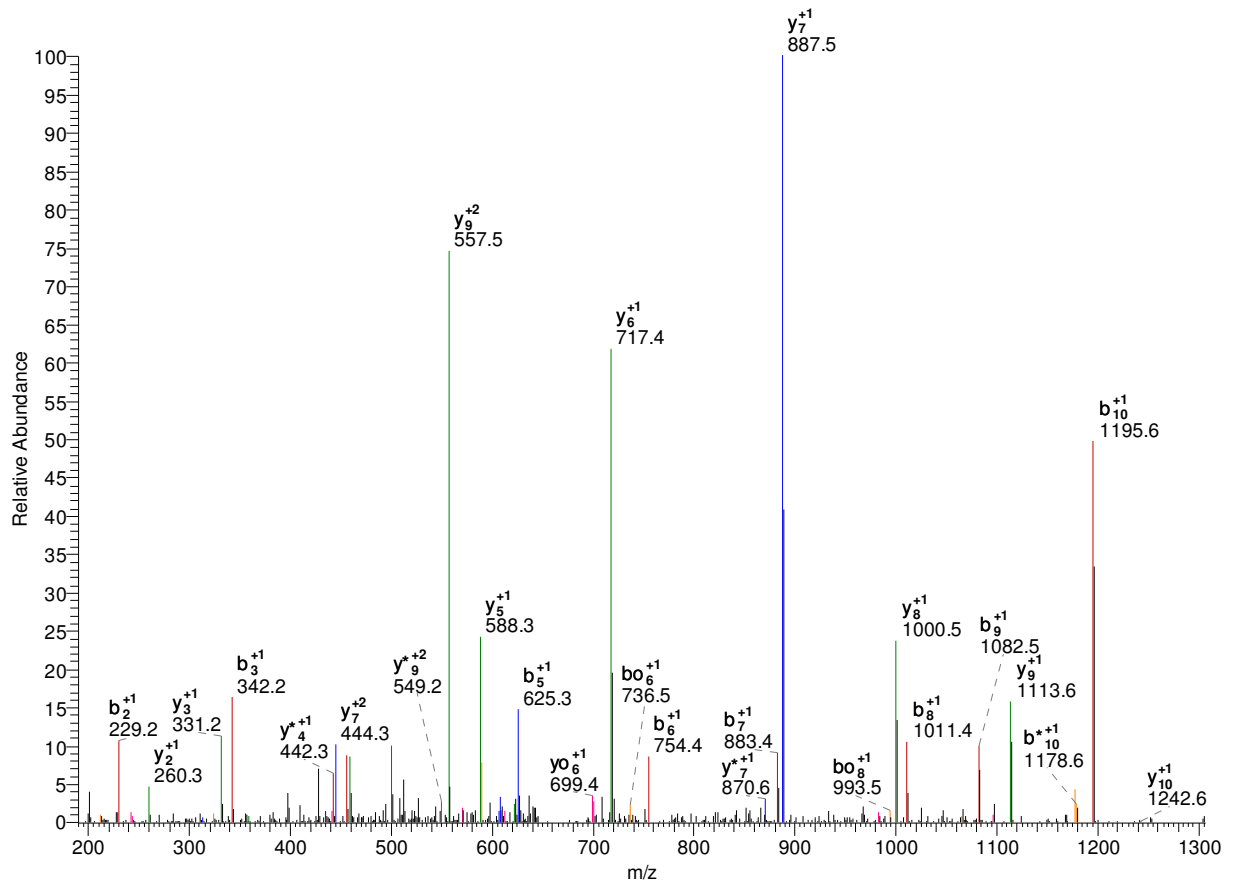
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	14
2	E	115.06	106.55	106.06	788.37	779.86	779.37	13
3	D	172.58	164.06	163.57	723.85	715.34	714.85	12
4	V	222.11	213.60	213.11	666.34	657.82	657.33	11
5	T	272.63	264.12	263.63	616.80	608.29	607.80	10

6	E	337.16	328.64	328.15	566.28	557.77	557.27	9
7	E	401.68	393.16	392.67	501.76	493.25	492.75	8
8	L	458.22	449.71	449.21	437.24	428.72	428.23	7
9	E	522.74	514.23	513.73	380.70	372.18	371.69	6
10	N	579.76	571.25	570.76	316.17	307.66	307.17	5
11	A	615.28	606.77	606.27	259.15	250.64	250.15	4
12	E	679.80	671.29	670.80	223.63	215.12	214.63	3
13	K*	764.85	756.34	755.85	159.11	150.60	150.11	2
14	K	-	-	-	74.06	65.55	65.05	1

-

1341.76 K.VELIK*EEQALK.Q
 psu|PF14_0104 | organism=Plasmodium_falciparum_3D7 | product=eukaryotictranslation
 initiation facto 185 - 196
 #4481-4481 NL: 1.76E3



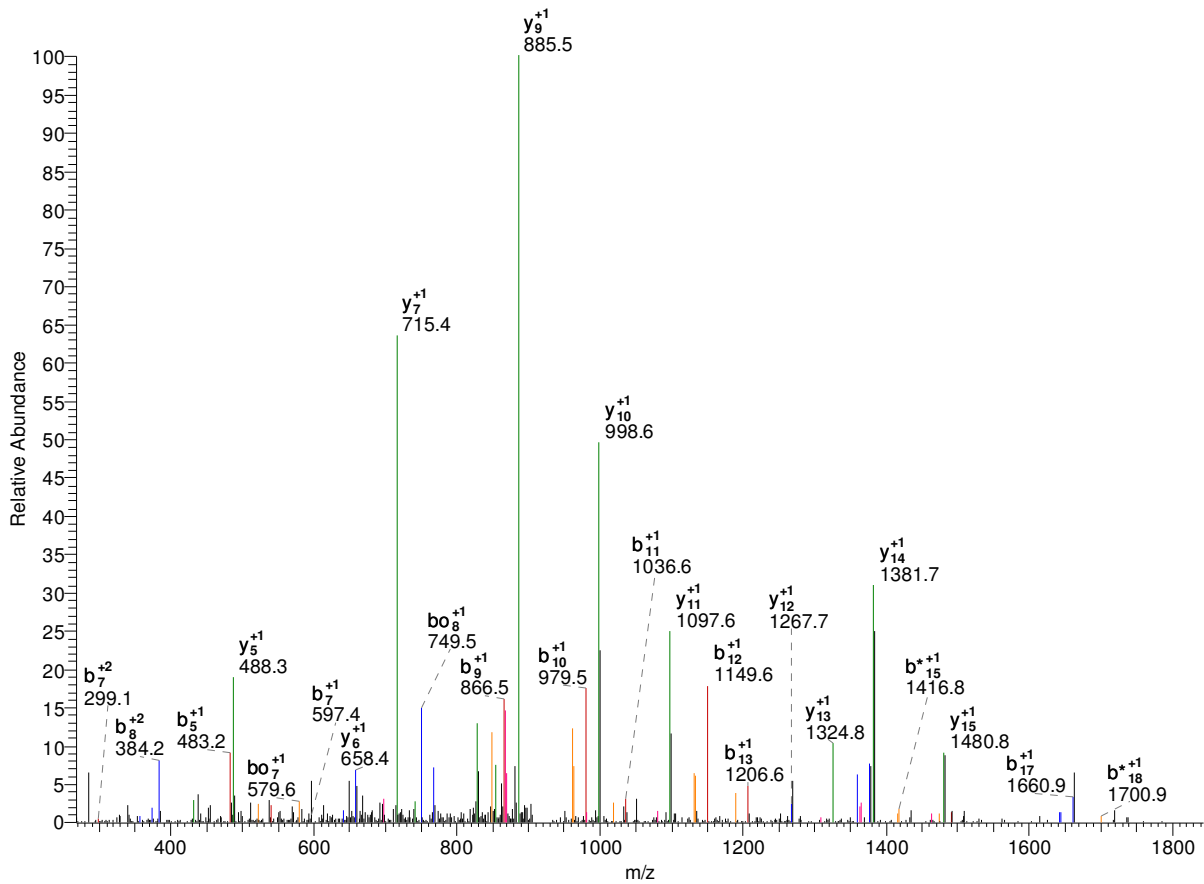
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	11
2	E	229.12	212.09	211.11	1242.69	1225.67	1224.68	10
3	L	342.20	325.18	324.19	1113.65	1096.62	1095.64	9
4	I	455.29	438.26	437.28	1000.57	983.54	982.56	8
5	K*	625.39	608.37	607.38	887.48	870.46	869.47	7
6	E	754.43	737.41	736.42	717.38	700.35	699.37	6
7	E	883.48	866.45	865.47	588.34	571.31	570.32	5
8	Q	1011.54	994.51	993.53	459.29	442.27	441.28	4
9	A	1082.57	1065.55	1064.56	331.23	314.21	313.22	3
10	L	1195.66	1178.63	1177.65	260.20	243.17	242.19	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	11
2	E	115.06	106.55	106.06	621.85	613.34	612.85	10
3	L	171.60	163.09	162.60	557.33	548.82	548.32	9
4	I	228.15	219.63	219.14	500.79	492.27	491.78	8
5	K*	313.20	304.69	304.19	444.25	435.73	435.24	7
6	E	377.72	369.21	368.72	359.19	350.68	350.19	6
7	E	442.24	433.73	433.24	294.67	286.16	285.67	5
8	Q	506.27	497.76	497.27	230.15	221.64	221.14	4

9	A	541.79	533.28	532.78	166.12	157.61	157.12	3
10	L	598.33	589.82	589.33	130.60	122.09	121.60	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1864.10 K.VGGK*VGGK*VLGLGK*GGK*GK.T
 psu|PFC0920w | organism=Plasmodium_falci-parum_3D7 | product=histone H2A variant,
 putative | locatio 11 - 30
 #5186-5186 NL: 1.10E3



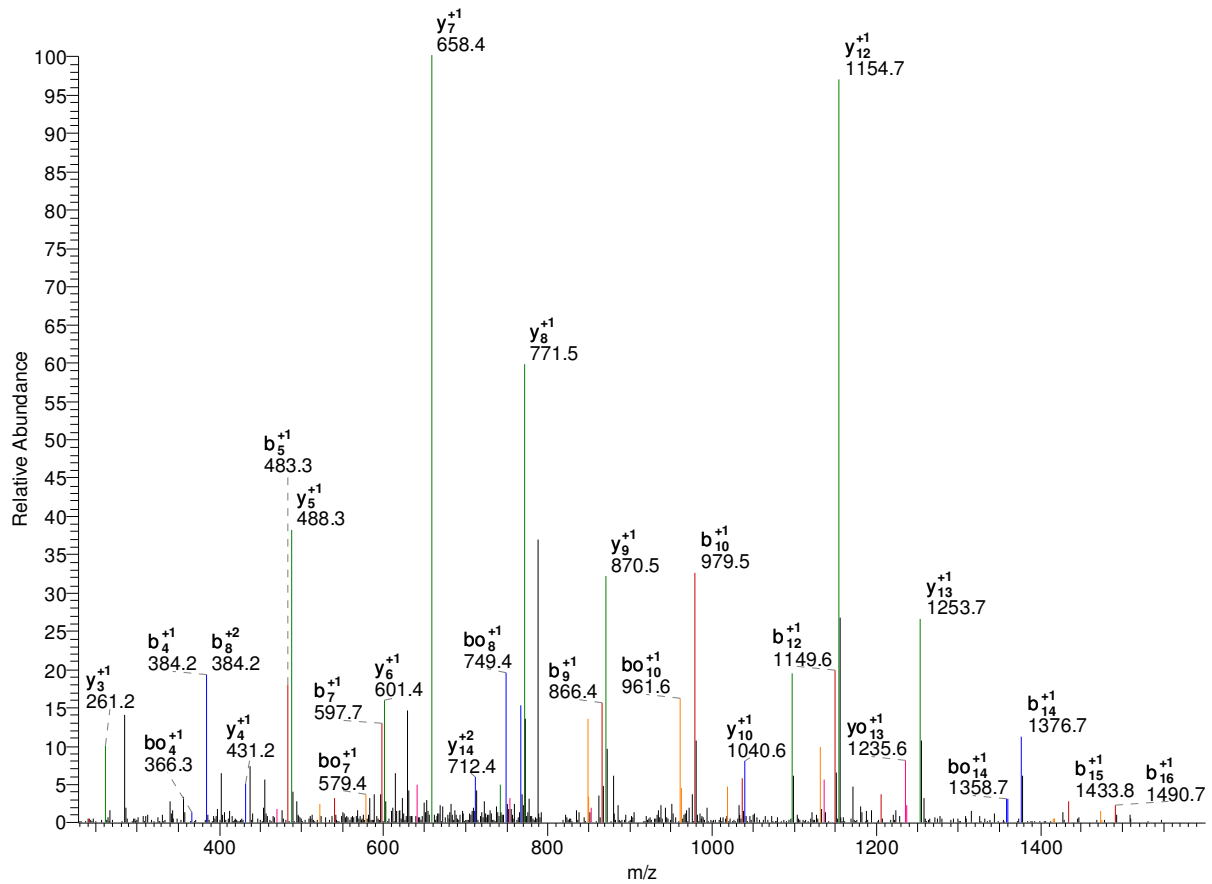
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	19
2	G	157.10	140.07	139.09	1765.03	1748.01	1747.02	18
3	G	214.12	197.09	196.11	1708.01	1690.99	1690.00	17
4	K*	384.22	367.20	366.21	1650.99	1633.96	1632.98	16
5	V	483.29	466.27	465.28	1480.88	1463.86	1462.87	15
6	G	540.31	523.29	522.30	1381.82	1364.79	1363.81	14
7	G	597.34	580.31	579.32	1324.79	1307.77	1306.78	13
8	K*	767.44	750.41	749.43	1267.77	1250.75	1249.76	12
9	V	866.51	849.48	848.50	1097.67	1080.64	1079.66	11
10	L	979.59	962.57	961.58	998.60	981.57	980.59	10
11	G	1036.61	1019.59	1018.60	885.52	868.49	867.50	9
12	L	1149.70	1132.67	1131.69	828.49	811.47	810.48	8
13	G	1206.72	1189.69	1188.71	715.41	698.38	697.40	7
14	K*	1376.83	1359.80	1358.82	658.39	641.36	640.38	6
15	G	1433.85	1416.82	1415.84	488.28	471.26	470.27	5
16	G	1490.87	1473.84	1472.86	431.26	414.23	413.25	4
17	K*	1660.97	1643.95	1642.96	374.24	357.21	356.23	3
18	G	1718.00	1700.97	1699.99	204.13	187.11	186.12	2
19	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	

1	V	50.54	42.03	41.54	-	-	-	19
2	G	79.05	70.54	70.05	883.02	874.51	874.01	18
3	G	107.56	99.05	98.56	854.51	846.00	845.50	17
4	K*	192.62	184.10	183.61	826.00	817.49	816.99	16
5	V	242.15	233.64	233.14	740.95	732.43	731.94	15
6	G	270.66	262.15	261.66	691.41	682.90	682.41	14
7	G	299.17	290.66	290.17	662.90	654.39	653.90	13
8	K*	384.22	375.71	375.22	634.39	625.88	625.38	12
9	V	433.76	425.25	424.75	549.34	540.82	540.33	11
10	L	490.30	481.79	481.30	499.80	491.29	490.80	10
11	G	518.81	510.30	509.81	443.26	434.75	434.26	9
12	L	575.35	566.84	566.35	414.75	406.24	405.75	8
13	G	603.86	595.35	594.86	358.21	349.70	349.20	7
14	K*	688.92	680.40	679.91	329.70	321.18	320.69	6
15	G	717.43	708.91	708.42	244.65	236.13	235.64	5
16	G	745.94	737.42	736.93	216.13	207.62	207.13	4
17	K*	830.99	822.48	821.99	187.62	179.11	178.62	3
18	G	859.50	850.99	850.50	102.57	94.06	93.57	2
19	K	-	-	-	74.06	65.55	65.05	1

-

1636.97 K.VGGK*VGGK*VLGLGK*GGK.G
 psu|PFC0920w | organism=Plasmodium_falciparum_3D7 | product=histone H2A variant,
 putative | locatio 11 - 28
 #5109-5109 NL: 2.06E3



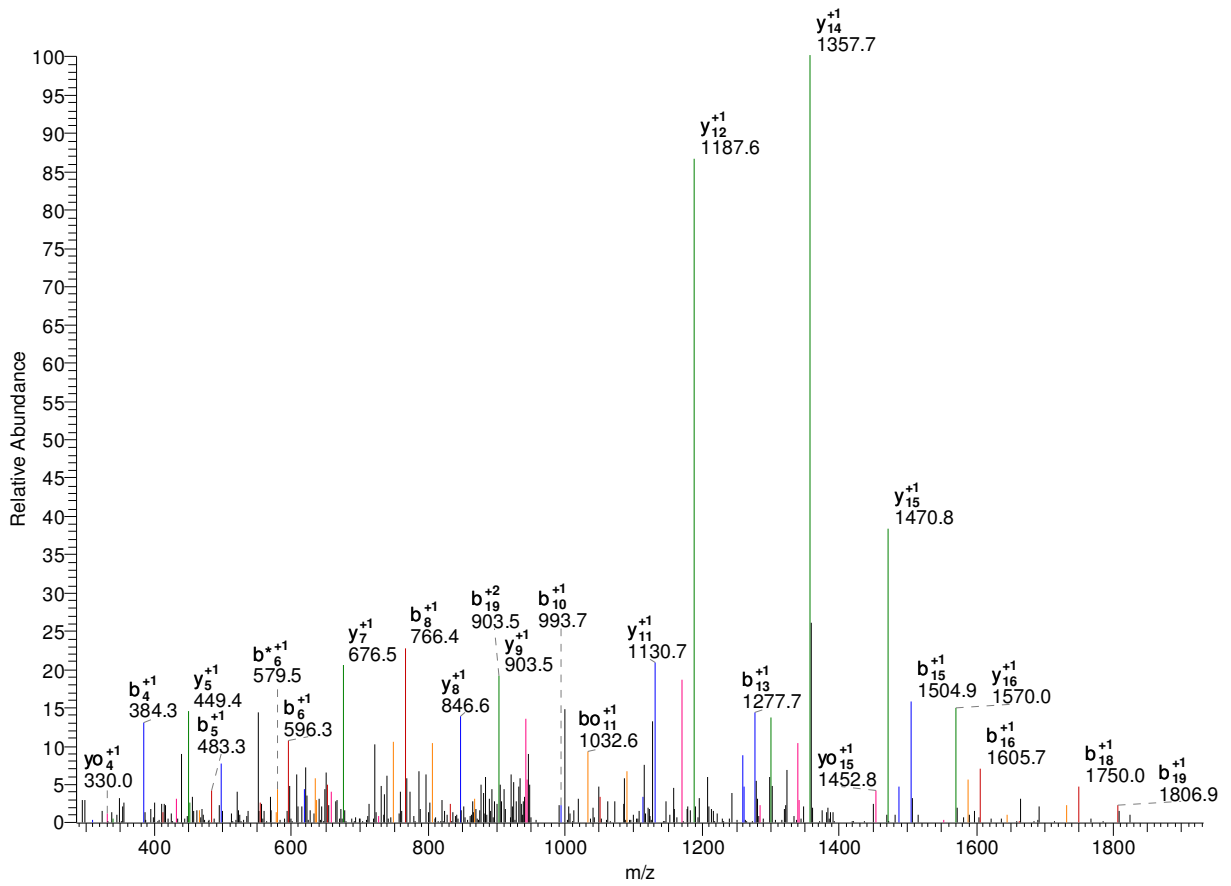
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	17
2	G	157.10	140.07	139.09	1537.91	1520.88	1519.90	16
3	G	214.12	197.09	196.11	1480.88	1463.86	1462.87	15
4	K*	384.22	367.20	366.21	1423.86	1406.84	1405.85	14
5	V	483.29	466.27	465.28	1253.76	1236.73	1235.75	13
6	G	540.31	523.29	522.30	1154.69	1137.66	1136.68	12
7	G	597.34	580.31	579.32	1097.67	1080.64	1079.66	11
8	K*	767.44	750.41	749.43	1040.65	1023.62	1022.64	10
9	V	866.51	849.48	848.50	870.54	853.51	852.53	9
10	L	979.59	962.57	961.58	771.47	754.45	753.46	8
11	G	1036.61	1019.59	1018.60	658.39	641.36	640.38	7
12	L	1149.70	1132.67	1131.69	601.37	584.34	583.36	6
13	G	1206.72	1189.69	1188.71	488.28	471.26	470.27	5
14	K*	1376.83	1359.80	1358.82	431.26	414.23	413.25	4
15	G	1433.85	1416.82	1415.84	261.16	244.13	243.15	3
16	G	1490.87	1473.84	1472.86	204.13	187.11	186.12	2
17	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	17
2	G	79.05	70.54	70.05	769.46	760.94	760.45	16

3	G	107.56	99.05	98.56	740.95	732.43	731.94	15
4	K*	192.62	184.10	183.61	712.44	703.92	703.43	14
5	V	242.15	233.64	233.14	627.38	618.87	618.38	13
6	G	270.66	262.15	261.66	577.85	569.33	568.84	12
7	G	299.17	290.66	290.17	549.34	540.82	540.33	11
8	K*	384.22	375.71	375.22	520.83	512.31	511.82	10
9	V	433.76	425.25	424.75	435.77	427.26	426.77	9
10	L	490.30	481.79	481.30	386.24	377.73	377.23	8
11	G	518.81	510.30	509.81	329.70	321.18	320.69	7
12	L	575.35	566.84	566.35	301.19	292.67	292.18	6
13	G	603.86	595.35	594.86	244.65	236.13	235.64	5
14	K*	688.92	680.40	679.91	216.13	207.62	207.13	4
15	G	717.43	708.91	708.42	131.08	122.57	122.08	3
16	G	745.94	737.42	736.93	102.57	94.06	93.57	2
17	K	-	-	-	74.06	65.55	65.05	1

-

1953.11 K.VGGK*VLGLGK*GGK*GK*TGSGK.T
 psu|PFC0920w | organism=Plasmodium_falciparum_3D7 | product=histone H2A variant,
 putative | locatio 15 - 35
 #4083-4083 NL: 2.24E2

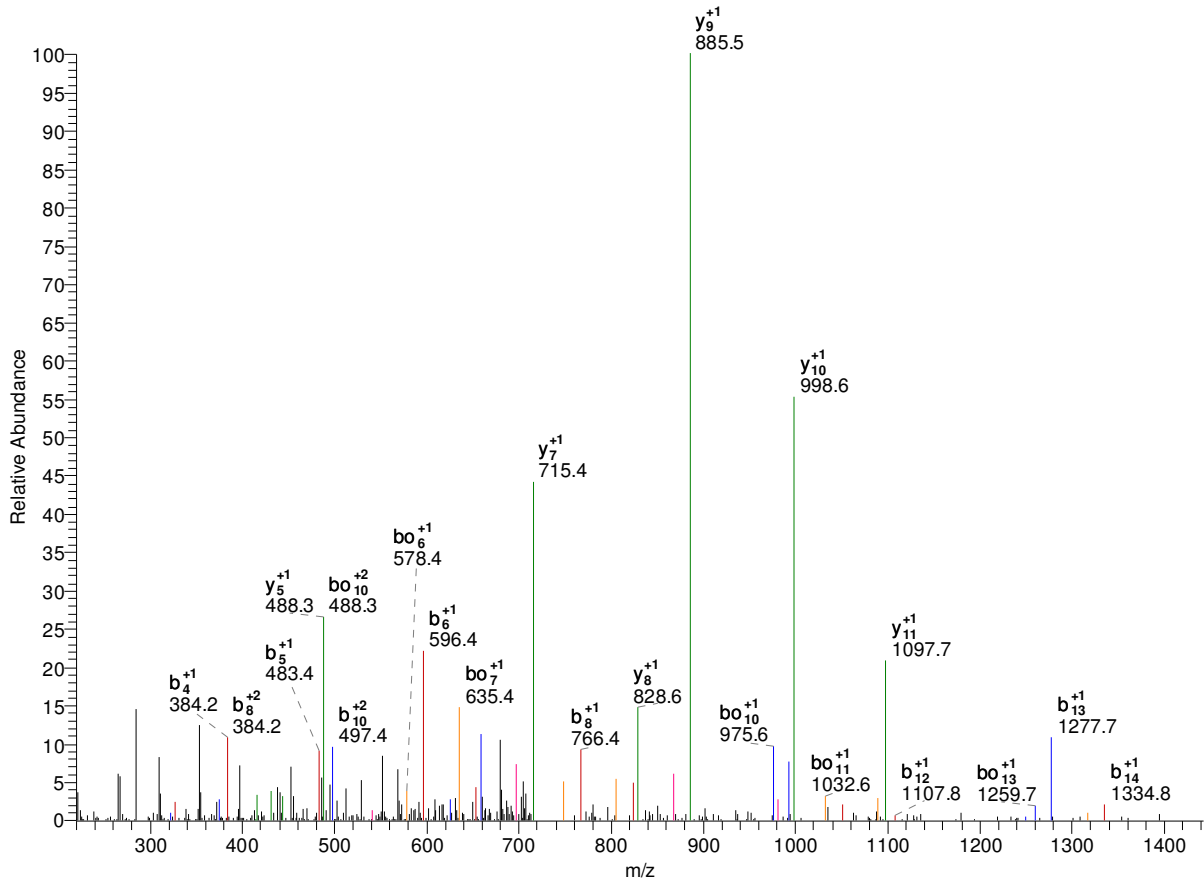


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	20
2	G	157.10	140.07	139.09	1854.04	1837.02	1836.03	19
3	G	214.12	197.09	196.11	1797.02	1780.00	1779.01	18
4	K*	384.22	367.20	366.21	1740.00	1722.97	1721.99	17
5	V	483.29	466.27	465.28	1569.90	1552.87	1551.89	16
6	L	596.38	579.35	578.37	1470.83	1453.80	1452.82	15
7	G	653.40	636.37	635.39	1357.74	1340.72	1339.73	14
8	L	766.48	749.46	748.47	1300.72	1283.70	1282.71	13
9	G	823.50	806.48	805.49	1187.64	1170.61	1169.63	12
10	K*	993.61	976.58	975.60	1130.62	1113.59	1112.61	11
11	G	1050.63	1033.60	1032.62	960.51	943.48	942.50	10
12	G	1107.65	1090.63	1089.64	903.49	886.46	885.48	9
13	K*	1277.76	1260.73	1259.75	846.47	829.44	828.46	8
14	G	1334.78	1317.75	1316.77	676.36	659.34	658.35	7
15	K*	1504.88	1487.86	1486.87	619.34	602.31	601.33	6
16	T	1605.93	1588.91	1587.92	449.24	432.21	431.22	5
17	G	1662.95	1645.93	1644.94	348.19	331.16	330.18	4
18	S	1749.99	1732.96	1731.98	291.17	274.14	273.16	3
19	G	1807.01	1789.98	1789.00	204.13	187.11	186.12	2
20	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	20
2	G	79.05	70.54	70.05	927.53	919.01	918.52	19
3	G	107.56	99.05	98.56	899.02	890.50	890.01	18
4	K*	192.62	184.10	183.61	870.50	861.99	861.50	17
5	V	242.15	233.64	233.14	785.45	776.94	776.45	16
6	L	298.69	290.18	289.69	735.92	727.40	726.91	15
7	G	327.20	318.69	318.20	679.38	670.86	670.37	14
8	L	383.74	375.23	374.74	650.86	642.35	641.86	13
9	G	412.26	403.74	403.25	594.32	585.81	585.32	12
10	K*	497.31	488.79	488.30	565.81	557.30	556.81	11
11	G	525.82	517.31	516.81	480.76	472.25	471.75	10
12	G	554.33	545.82	545.32	452.25	443.74	443.24	9
13	K*	639.38	630.87	630.38	423.74	415.22	414.73	8
14	G	667.89	659.38	658.89	338.68	330.17	329.68	7
15	K*	752.95	744.43	743.94	310.17	301.66	301.17	6
16	T	803.47	794.96	794.46	225.12	216.61	216.12	5
17	G	831.98	823.47	822.98	174.60	166.08	165.59	4
18	S	875.50	866.98	866.49	146.09	137.57	137.08	3
19	G	904.01	895.49	895.00	102.57	94.06	93.57	2
20	K	-	-	-	74.06	65.55	65.05	1

-

1480.88 K.VGGK*VLGLGK*GGK*GK.T
 psu|PFC0920w | organism=Plasmodium_falciparum_3D7 | product=histone H2A variant,
 putative | locatio 15 - 30
 #3739-3739 NL: 6.74E2



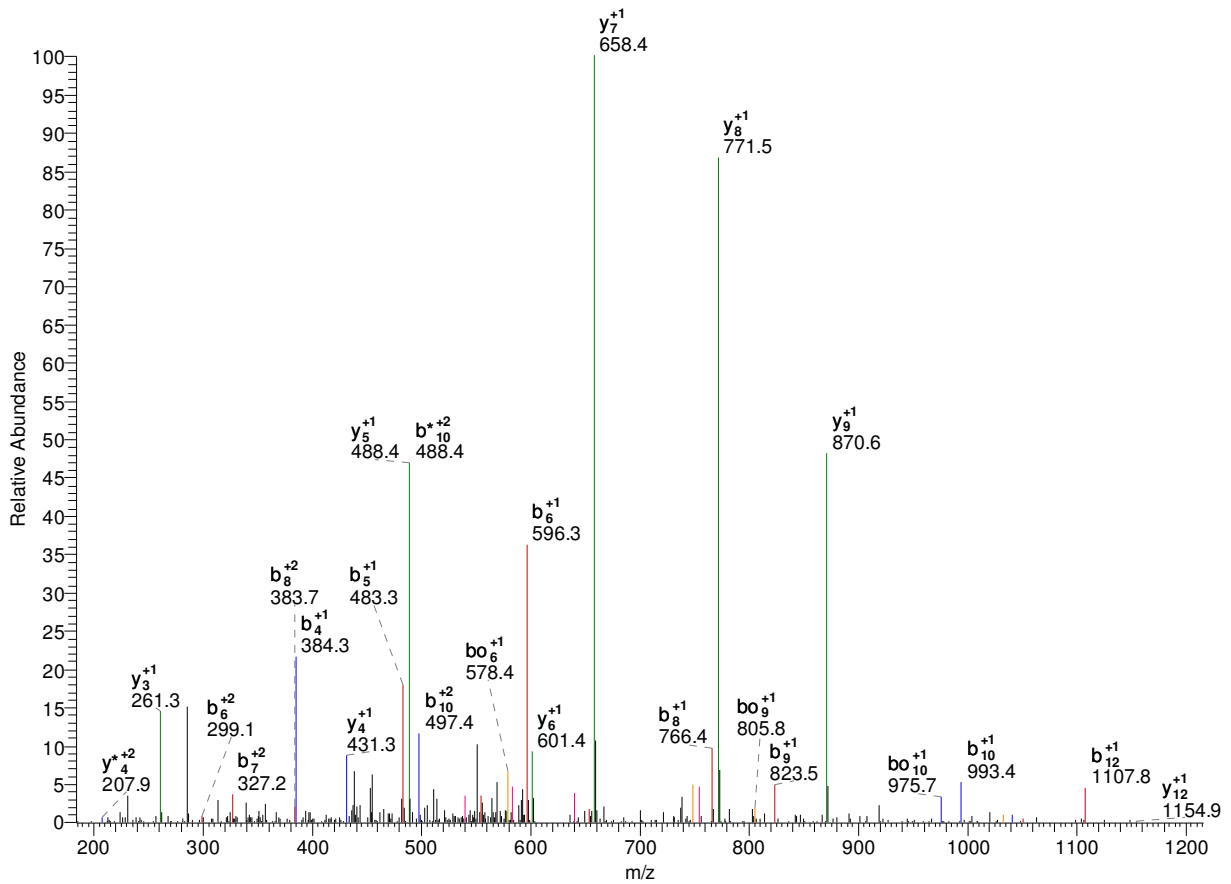
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	15
2	G	157.10	140.07	139.09	1381.82	1364.79	1363.81	14
3	G	214.12	197.09	196.11	1324.79	1307.77	1306.78	13
4	K*	384.22	367.20	366.21	1267.77	1250.75	1249.76	12
5	V	483.29	466.27	465.28	1097.67	1080.64	1079.66	11
6	L	596.38	579.35	578.37	998.60	981.57	980.59	10
7	G	653.40	636.37	635.39	885.52	868.49	867.50	9
8	L	766.48	749.46	748.47	828.49	811.47	810.48	8
9	G	823.50	806.48	805.49	715.41	698.38	697.40	7
10	K*	993.61	976.58	975.60	658.39	641.36	640.38	6
11	G	1050.63	1033.60	1032.62	488.28	471.26	470.27	5
12	G	1107.65	1090.63	1089.64	431.26	414.23	413.25	4
13	K*	1277.76	1260.73	1259.75	374.24	357.21	356.23	3
14	G	1334.78	1317.75	1316.77	204.13	187.11	186.12	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	15
2	G	79.05	70.54	70.05	691.41	682.90	682.41	14
3	G	107.56	99.05	98.56	662.90	654.39	653.90	13
4	K*	192.62	184.10	183.61	634.39	625.88	625.38	12

5	V	242.15	233.64	233.14	549.34	540.82	540.33	11
6	L	298.69	290.18	289.69	499.80	491.29	490.80	10
7	G	327.20	318.69	318.20	443.26	434.75	434.26	9
8	L	383.74	375.23	374.74	414.75	406.24	405.75	8
9	G	412.26	403.74	403.25	358.21	349.70	349.20	7
10	K*	497.31	488.79	488.30	329.70	321.18	320.69	6
11	G	525.82	517.31	516.81	244.65	236.13	235.64	5
12	G	554.33	545.82	545.32	216.13	207.62	207.13	4
13	K*	639.38	630.87	630.38	187.62	179.11	178.62	3
14	G	667.89	659.38	658.89	102.57	94.06	93.57	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1253.76 K.VGGK*VLGLGK*GGK.G
 psu|PFC0920w | organism=Plasmodium_falciparum_3D7 | product=histone H2A variant,
 putative | locatio 15 - 28
 #3492-3492 NL:5.49E2



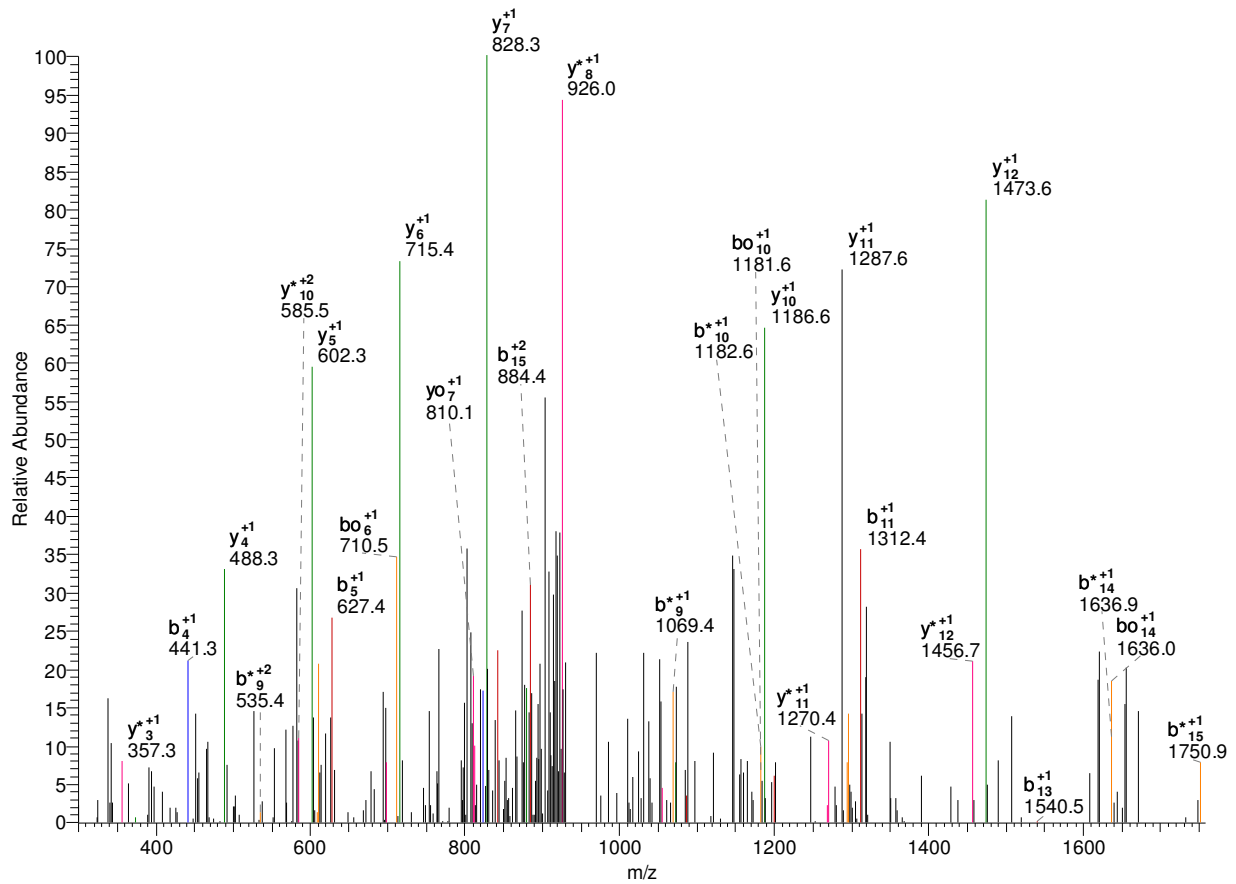
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	13
2	G	157.10	140.07	139.09	1154.69	1137.66	1136.68	12
3	G	214.12	197.09	196.11	1097.67	1080.64	1079.66	11
4	K*	384.22	367.20	366.21	1040.65	1023.62	1022.64	10
5	V	483.29	466.27	465.28	870.54	853.51	852.53	9
6	L	596.38	579.35	578.37	771.47	754.45	753.46	8
7	G	653.40	636.37	635.39	658.39	641.36	640.38	7
8	L	766.48	749.46	748.47	601.37	584.34	583.36	6
9	G	823.50	806.48	805.49	488.28	471.26	470.27	5
10	K*	993.61	976.58	975.60	431.26	414.23	413.25	4
11	G	1050.63	1033.60	1032.62	261.16	244.13	243.15	3
12	G	1107.65	1090.63	1089.64	204.13	187.11	186.12	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	13
2	G	79.05	70.54	70.05	577.85	569.33	568.84	12
3	G	107.56	99.05	98.56	549.34	540.82	540.33	11
4	K*	192.62	184.10	183.61	520.83	512.31	511.82	10
5	V	242.15	233.64	233.14	435.77	427.26	426.77	9
6	L	298.69	290.18	289.69	386.24	377.73	377.23	8

7	G	327.20	318.69	318.20	329.70	321.18	320.69	7
8	L	383.74	375.23	374.74	301.19	292.67	292.18	6
9	G	412.26	403.74	403.25	244.65	236.13	235.64	5
10	K*	497.31	488.79	488.30	216.13	207.62	207.13	4
11	G	525.82	517.31	516.81	131.08	122.57	122.08	3
12	G	554.33	545.82	545.32	102.57	94.06	93.57	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1913.97 K.VGNK*WTNEDILNNINK.N
 psu|PFL0640w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 34 - 50
 #4957-4957 NL: 3.68E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	16
2	G	157.10	140.07	139.09	1814.90	1797.88	1796.89	15
3	N	271.14	254.11	253.13	1757.88	1740.86	1739.87	14
4	K*	441.25	424.22	423.24	1643.84	1626.81	1625.83	13
5	W	627.32	610.30	609.31	1473.73	1456.71	1455.72	12
6	T	728.37	711.35	710.36	1287.65	1270.63	1269.64	11
7	N	842.42	825.39	824.40	1186.61	1169.58	1168.60	10
8	E	971.46	954.43	953.45	1072.56	1055.54	1054.55	9
9	D	1086.49	1069.46	1068.47	943.52	926.49	925.51	8
10	I	1199.57	1182.54	1181.56	828.49	811.47	810.48	7
11	L	1312.65	1295.63	1294.64	715.41	698.38	697.40	6
12	N	1426.70	1409.67	1408.69	602.33	585.30	584.32	5
13	N	1540.74	1523.71	1522.73	488.28	471.26	470.27	4
14	I	1653.82	1636.80	1635.81	374.24	357.21	356.23	3
15	N	1767.87	1750.84	1749.86	261.16	244.13	243.15	2
16	K	-	-	-	147.11	130.09	129.10	1

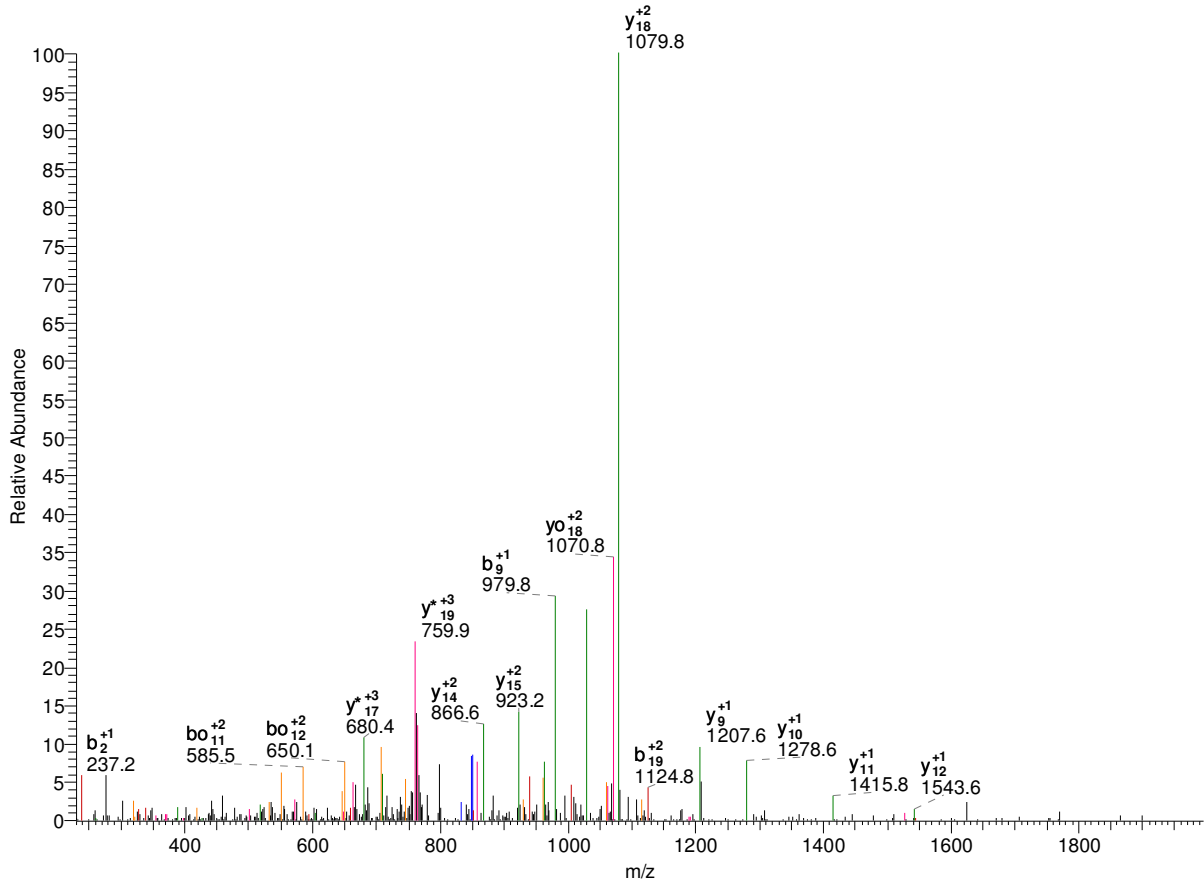
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	16
2	G	79.05	70.54	70.05	907.96	899.44	898.95	15
3	N	136.07	127.56	127.07	879.44	870.93	870.44	14

4	K*	221.13	212.61	212.12	822.42	813.91	813.42	13
5	W	314.17	305.65	305.16	737.37	728.86	728.36	12
6	T	364.69	356.18	355.68	644.33	635.82	635.33	11
7	N	421.71	413.20	412.71	593.81	585.29	584.80	10
8	E	486.23	477.72	477.23	536.79	528.27	527.78	9
9	D	543.75	535.23	534.74	472.26	463.75	463.26	8
10	I	600.29	591.77	591.28	414.75	406.24	405.75	7
11	L	656.83	648.32	647.82	358.21	349.70	349.20	6
12	N	713.85	705.34	704.85	301.67	293.15	292.66	5
13	N	770.87	762.36	761.87	244.64	236.13	235.64	4
14	I	827.42	818.90	818.41	187.62	179.11	178.62	3
15	N	884.44	875.92	875.43	131.08	122.57	122.08	2
16	K	-	-	-	74.06	65.55	65.05	1

-

R.VHTVLISTQHAEDIK*YEQLK.T psu|PFI1090w | organism=Plasmodium_falciparum_3D7 | product=s-adenosylmethionine synthetase, putati 195 - 215

#4665-4665 NL: 5.75E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	20
2	H	237.13	220.11	219.12	2295.20	2278.17	2277.19	19
3	T	338.18	321.16	320.17	2158.14	2141.11	2140.13	18
4	V	437.25	420.22	419.24	2057.09	2040.06	2039.08	17
5	L	550.33	533.31	532.32	1958.02	1941.00	1940.01	16
6	I	663.42	646.39	645.41	1844.94	1827.91	1826.93	15
7	S	750.45	733.42	732.44	1731.85	1714.83	1713.84	14
8	T	851.50	834.47	833.49	1644.82	1627.80	1626.81	13
9	Q	979.56	962.53	961.55	1543.78	1526.75	1525.76	12
10	H	1116.62	1099.59	1098.61	1415.72	1398.69	1397.71	11
11	A	1187.65	1170.63	1169.64	1278.66	1261.63	1260.65	10
12	E	1316.70	1299.67	1298.69	1207.62	1190.59	1189.61	9
13	D	1431.72	1414.70	1413.71	1078.58	1061.55	1060.57	8
14	I	1544.81	1527.78	1526.80	963.55	946.52	945.54	7
15	K*	1714.91	1697.89	1696.90	850.47	833.44	832.46	6
16	Y	1877.98	1860.95	1859.97	680.36	663.33	662.35	5
17	E	2007.02	1989.99	1989.01	517.30	500.27	499.29	4
18	Q	2135.08	2118.05	2117.07	388.26	371.23	370.24	3
19	L	2248.16	2231.13	2230.15	260.20	243.17	242.19	2
20	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

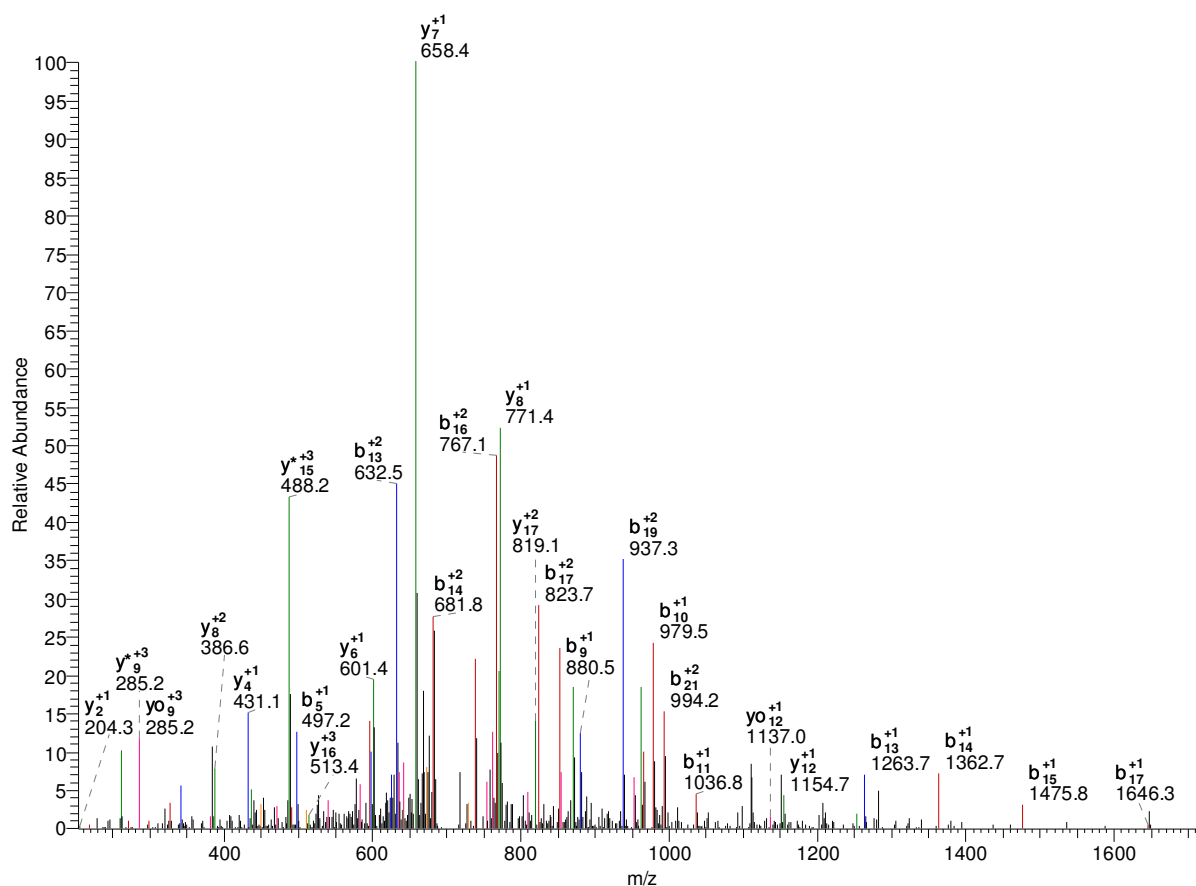
1	V	50.54	42.03	41.54	-	-	-	20
2	H	119.07	110.56	110.07	1148.10	1139.59	1139.10	19
3	T	169.59	161.08	160.59	1079.57	1071.06	1070.57	18
4	V	219.13	210.62	210.12	1029.05	1020.54	1020.04	17
5	L	275.67	267.16	266.67	979.52	971.00	970.51	16
6	I	332.21	323.70	323.21	922.97	914.46	913.97	15
7	S	375.73	367.22	366.72	866.43	857.92	857.43	14
8	T	426.25	417.74	417.25	822.92	814.40	813.91	13
9	Q	490.28	481.77	481.28	772.39	763.88	763.39	12
10	H	558.81	550.30	549.81	708.36	699.85	699.36	11
11	A	594.33	585.82	585.32	639.83	631.32	630.83	10
12	E	658.85	650.34	649.85	604.31	595.80	595.31	9
13	D	716.36	707.85	707.36	539.79	531.28	530.79	8
14	I	772.91	764.39	763.90	482.28	473.77	473.27	7
15	K*	857.96	849.45	848.95	425.74	417.22	416.73	6
16	Y	939.49	930.98	930.49	340.68	332.17	331.68	5
17	E	1004.01	995.50	995.01	259.15	250.64	250.15	4
18	Q	1068.04	1059.53	1059.04	194.63	186.12	185.63	3
19	L	1124.58	1116.07	1115.58	130.60	122.09	121.60	2
20	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	V	34.03	28.35	28.03	-	-	-	20
2	H	79.72	74.04	73.71	765.74	760.06	759.73	19
3	T	113.40	107.72	107.40	720.05	714.38	714.05	18
4	V	146.42	140.75	140.42	686.37	680.69	680.37	17
5	L	184.12	178.44	178.11	653.35	647.67	647.34	16
6	I	221.81	216.14	215.81	615.65	609.98	609.65	15
7	S	250.82	245.15	244.82	577.96	572.28	571.95	14
8	T	284.50	278.83	278.50	548.95	543.27	542.94	13
9	Q	327.19	321.52	321.19	515.26	509.59	509.26	12
10	H	372.88	367.20	366.87	472.58	466.90	466.57	11
11	A	396.56	390.88	390.55	426.89	421.22	420.89	10
12	E	439.57	433.89	433.57	403.21	397.54	397.21	9
13	D	477.91	472.24	471.91	360.20	354.52	354.19	8
14	I	515.61	509.93	509.60	321.86	316.18	315.85	7
15	K*	572.31	566.63	566.31	284.16	278.48	278.16	6
16	Y	626.66	620.99	620.66	227.46	221.78	221.46	5
17	E	669.68	664.00	663.67	173.10	167.43	167.10	4
18	Q	712.36	706.69	706.36	130.09	124.41	124.09	3
19	L	750.06	744.38	744.05	87.40	81.73	81.40	2
20	K	-	-	-	49.71	44.03	43.71	1

-

2133.28 K.VIGGK*VGGK*VGGK*VLGLGK*GK.G psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant, putative | locatio
 6 - 28
 #7347-7347 NL: 3.70E2

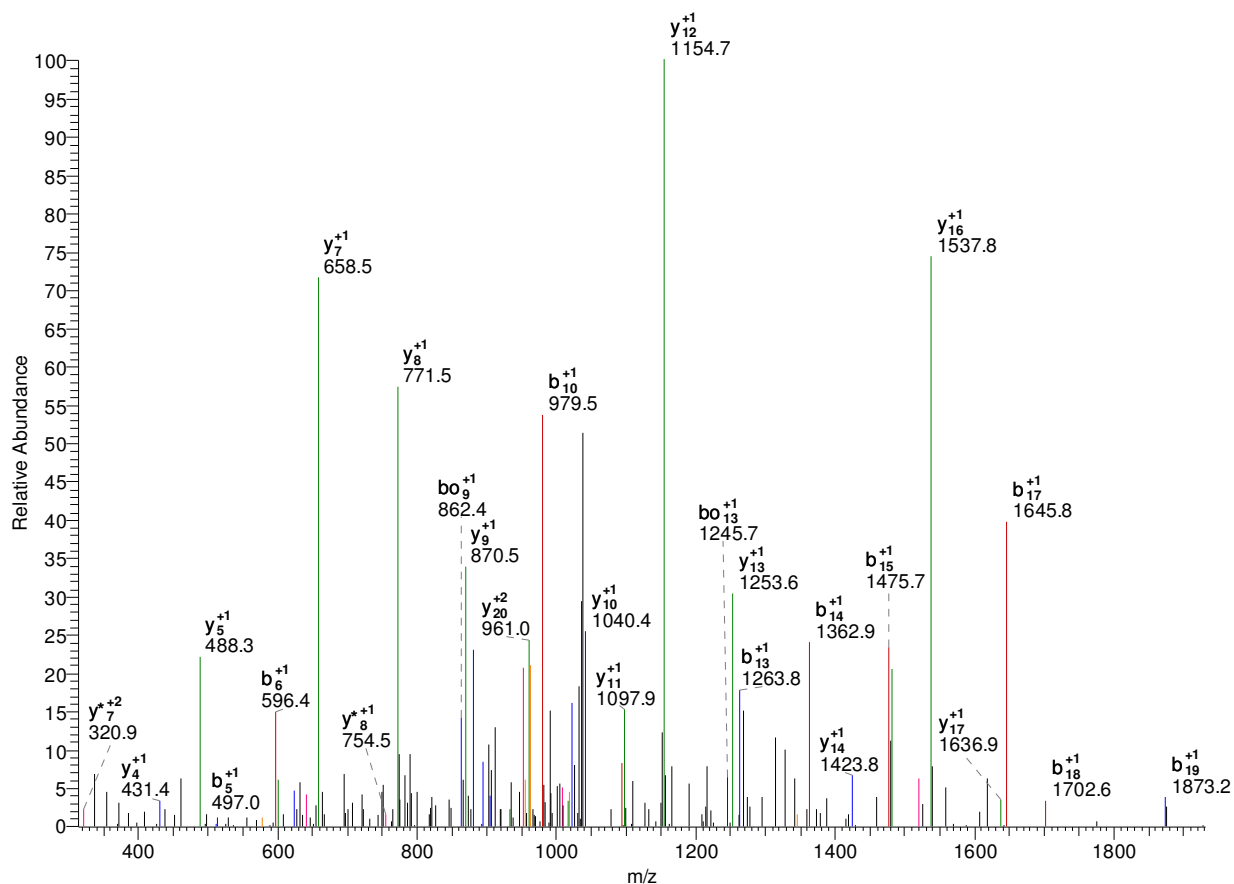


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	22
2	I	213.16	196.13	195.15	2034.21	2017.18	2016.20	21
3	G	270.18	253.15	252.17	1921.12	1904.10	1903.11	20
4	G	327.20	310.18	309.19	1864.10	1847.07	1846.09	19
5	K*	497.31	480.28	479.30	1807.08	1790.05	1789.07	18
6	V	596.38	579.35	578.37	1636.97	1619.95	1618.96	17
7	G	653.40	636.37	635.39	1537.91	1520.88	1519.90	16
8	G	710.42	693.39	692.41	1480.88	1463.86	1462.87	15
9	K*	880.53	863.50	862.51	1423.86	1406.84	1405.85	14
10	V	979.59	962.57	961.58	1253.76	1236.73	1235.75	13
11	G	1036.61	1019.59	1018.60	1154.69	1137.66	1136.68	12
12	G	1093.64	1076.61	1075.63	1097.67	1080.64	1079.66	11
13	K*	1263.74	1246.72	1245.73	1040.65	1023.62	1022.64	10
14	V	1362.81	1345.78	1344.80	870.54	853.51	852.53	9
15	L	1475.89	1458.87	1457.88	771.47	754.45	753.46	8
16	G	1532.92	1515.89	1514.91	658.39	641.36	640.38	7
17	L	1646.00	1628.97	1627.99	601.37	584.34	583.36	6
18	G	1703.02	1685.99	1685.01	488.28	471.26	470.27	5
19	K*	1873.13	1856.10	1855.12	431.26	414.23	413.25	4
20	G	1930.15	1913.12	1912.14	261.16	244.13	243.15	3
21	G	1987.17	1970.14	1969.16	204.13	187.11	186.12	2
22	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	22
2	I	107.08	98.57	98.08	1017.61	1009.09	1008.60	21
3	G	135.59	127.08	126.59	961.07	952.55	952.06	20
4	G	164.10	155.59	155.10	932.55	924.04	923.55	19
5	K*	249.16	240.64	240.15	904.04	895.53	895.04	18
6	V	298.69	290.18	289.69	818.99	810.48	809.99	17
7	G	327.20	318.69	318.20	769.46	760.94	760.45	16
8	G	355.71	347.20	346.71	740.95	732.43	731.94	15
9	K*	440.77	432.25	431.76	712.44	703.92	703.43	14
10	V	490.30	481.79	481.30	627.38	618.87	618.38	13
11	G	518.81	510.30	509.81	577.85	569.33	568.84	12
12	G	547.32	538.81	538.32	549.34	540.82	540.33	11
13	K*	632.37	623.86	623.37	520.83	512.31	511.82	10
14	V	681.91	673.40	672.90	435.77	427.26	426.77	9
15	L	738.45	729.94	729.45	386.24	377.73	377.23	8
16	G	766.96	758.45	757.96	329.70	321.18	320.69	7
17	L	823.50	814.99	814.50	301.19	292.67	292.18	6
18	G	852.01	843.50	843.01	244.65	236.13	235.64	5
19	K*	937.07	928.55	928.06	216.13	207.62	207.13	4
20	G	965.58	957.06	956.57	131.08	122.57	122.08	3
21	G	994.09	985.58	985.08	102.57	94.06	93.57	2
22	K	-	-	-	74.06	65.55	65.05	1

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	V	34.03	28.35	28.03	-	-	-	22
2	I	71.72	66.05	65.72	678.74	673.07	672.74	21
3	G	90.73	85.06	84.73	641.05	635.37	635.04	20
4	G	109.74	104.06	103.74	622.04	616.36	616.04	19
5	K*	166.44	160.77	160.44	603.03	597.36	597.03	18
6	V	199.46	193.79	193.46	546.33	540.65	540.33	17
7	G	218.47	212.80	212.47	513.31	507.63	507.30	16
8	G	237.48	231.80	231.47	494.30	488.62	488.30	15
9	K*	294.18	288.50	288.18	475.29	469.62	469.29	14
10	V	327.20	321.53	321.20	418.59	412.92	412.59	13
11	G	346.21	340.53	340.21	385.57	379.89	379.56	12
12	G	365.22	359.54	359.21	366.56	360.89	360.56	11
13	K*	421.92	416.24	415.92	347.55	341.88	341.55	10
14	V	454.94	449.27	448.94	290.85	285.18	284.85	9
15	L	492.64	486.96	486.63	257.83	252.15	251.83	8
16	G	511.64	505.97	505.64	220.13	214.46	214.13	7
17	L	549.34	543.66	543.33	201.13	195.45	195.12	6
18	G	568.35	562.67	562.34	163.43	157.76	157.43	5
19	K*	625.05	619.37	619.04	144.43	138.75	138.42	4
20	G	644.05	638.38	638.05	87.72	82.05	81.72	3
21	G	663.06	657.39	657.06	68.72	63.04	62.71	2
22	K	-	-	-	49.71	44.03	43.71	1

2133.28 K.VIGGK*VGGK*VGGK*VLGLGK*GK.G psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant, putative | locatio
 6 - 28
 #7299-7299 NL: 8.42E1

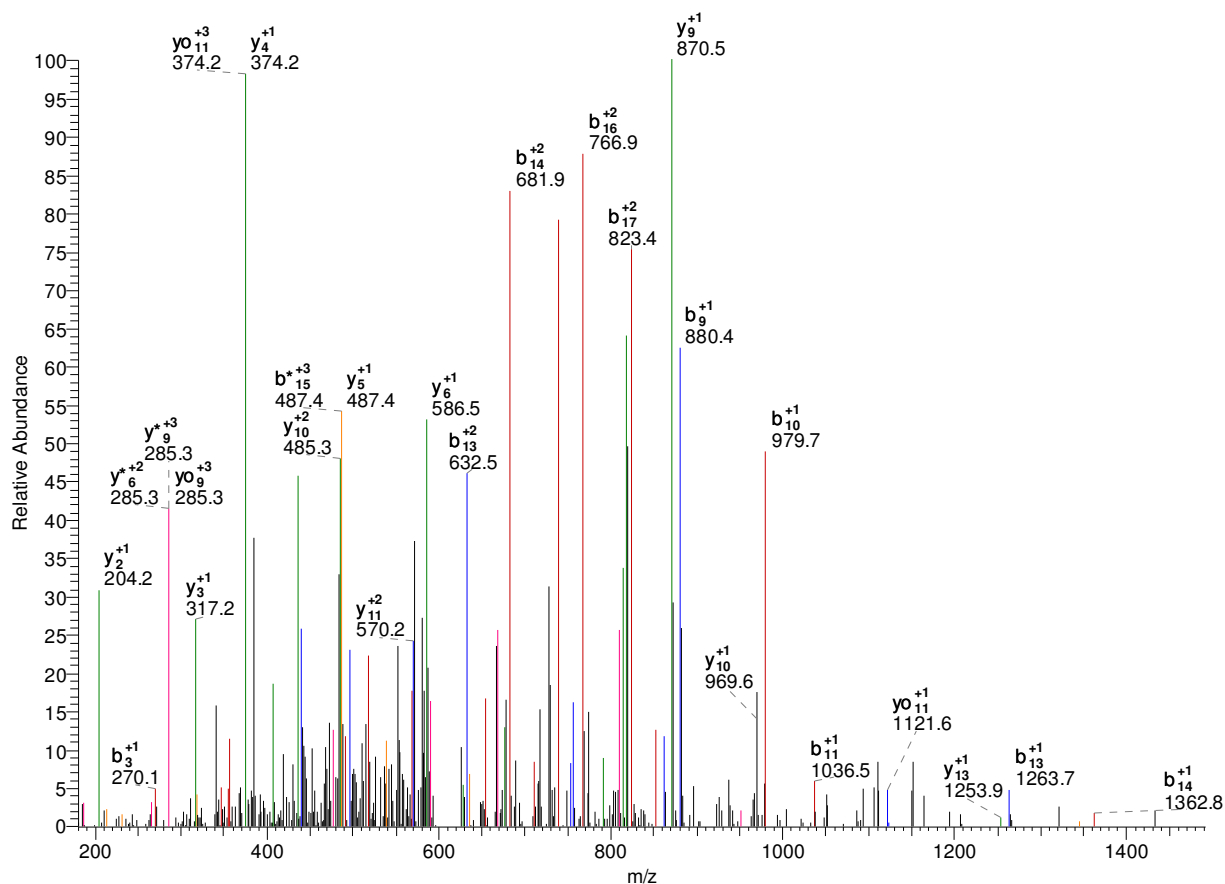


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	22
2	I	213.16	196.13	195.15	2034.21	2017.18	2016.20	21
3	G	270.18	253.15	252.17	1921.12	1904.10	1903.11	20
4	G	327.20	310.18	309.19	1864.10	1847.07	1846.09	19
5	K*	497.31	480.28	479.30	1807.08	1790.05	1789.07	18
6	V	596.38	579.35	578.37	1636.97	1619.95	1618.96	17
7	G	653.40	636.37	635.39	1537.91	1520.88	1519.90	16
8	G	710.42	693.39	692.41	1480.88	1463.86	1462.87	15
9	K*	880.53	863.50	862.51	1423.86	1406.84	1405.85	14
10	V	979.59	962.57	961.58	1253.76	1236.73	1235.75	13
11	G	1036.61	1019.59	1018.60	1154.69	1137.66	1136.68	12
12	G	1093.64	1076.61	1075.63	1097.67	1080.64	1079.66	11
13	K*	1263.74	1246.72	1245.73	1040.65	1023.62	1022.64	10
14	V	1362.81	1345.78	1344.80	870.54	853.51	852.53	9
15	L	1475.89	1458.87	1457.88	771.47	754.45	753.46	8
16	G	1532.92	1515.89	1514.91	658.39	641.36	640.38	7
17	L	1646.00	1628.97	1627.99	601.37	584.34	583.36	6
18	G	1703.02	1685.99	1685.01	488.28	471.26	470.27	5
19	K*	1873.13	1856.10	1855.12	431.26	414.23	413.25	4
20	G	1930.15	1913.12	1912.14	261.16	244.13	243.15	3
21	G	1987.17	1970.14	1969.16	204.13	187.11	186.12	2
22	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	22
2	I	107.08	98.57	98.08	1017.61	1009.09	1008.60	21
3	G	135.59	127.08	126.59	961.07	952.55	952.06	20
4	G	164.10	155.59	155.10	932.55	924.04	923.55	19
5	K*	249.16	240.64	240.15	904.04	895.53	895.04	18
6	V	298.69	290.18	289.69	818.99	810.48	809.99	17
7	G	327.20	318.69	318.20	769.46	760.94	760.45	16
8	G	355.71	347.20	346.71	740.95	732.43	731.94	15
9	K*	440.77	432.25	431.76	712.44	703.92	703.43	14
10	V	490.30	481.79	481.30	627.38	618.87	618.38	13
11	G	518.81	510.30	509.81	577.85	569.33	568.84	12
12	G	547.32	538.81	538.32	549.34	540.82	540.33	11
13	K*	632.37	623.86	623.37	520.83	512.31	511.82	10
14	V	681.91	673.40	672.90	435.77	427.26	426.77	9
15	L	738.45	729.94	729.45	386.24	377.73	377.23	8
16	G	766.96	758.45	757.96	329.70	321.18	320.69	7
17	L	823.50	814.99	814.50	301.19	292.67	292.18	6
18	G	852.01	843.50	843.01	244.65	236.13	235.64	5
19	K*	937.07	928.55	928.06	216.13	207.62	207.13	4
20	G	965.58	957.06	956.57	131.08	122.57	122.08	3
21	G	994.09	985.58	985.08	102.57	94.06	93.57	2
22	K	-	-	-	74.06	65.55	65.05	1

1849.13 K.VIGGK*VGGK*VGGK*VLGLGK.G psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant, putative | locatio
 6 - 25

#5418-5418 NL: 1.16E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	19
2	I	213.16	196.13	195.15	1750.06	1733.03	1732.05	18
3	G	270.18	253.15	252.17	1636.97	1619.95	1618.96	17
4	G	327.20	310.18	309.19	1579.95	1562.93	1561.94	16
5	K*	497.31	480.28	479.30	1522.93	1505.91	1504.92	15
6	V	596.38	579.35	578.37	1352.83	1335.80	1334.82	14
7	G	653.40	636.37	635.39	1253.76	1236.73	1235.75	13
8	G	710.42	693.39	692.41	1196.74	1179.71	1178.73	12
9	K*	880.53	863.50	862.51	1139.71	1122.69	1121.70	11
10	V	979.59	962.57	961.58	969.61	952.58	951.60	10
11	G	1036.61	1019.59	1018.60	870.54	853.51	852.53	9
12	G	1093.64	1076.61	1075.63	813.52	796.49	795.51	8
13	K*	1263.74	1246.72	1245.73	756.50	739.47	738.49	7
14	V	1362.81	1345.78	1344.80	586.39	569.37	568.38	6
15	L	1475.89	1458.87	1457.88	487.32	470.30	469.31	5
16	G	1532.92	1515.89	1514.91	374.24	357.21	356.23	4
17	L	1646.00	1628.97	1627.99	317.22	300.19	299.21	3
18	G	1703.02	1685.99	1685.01	204.13	187.11	186.12	2
19	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

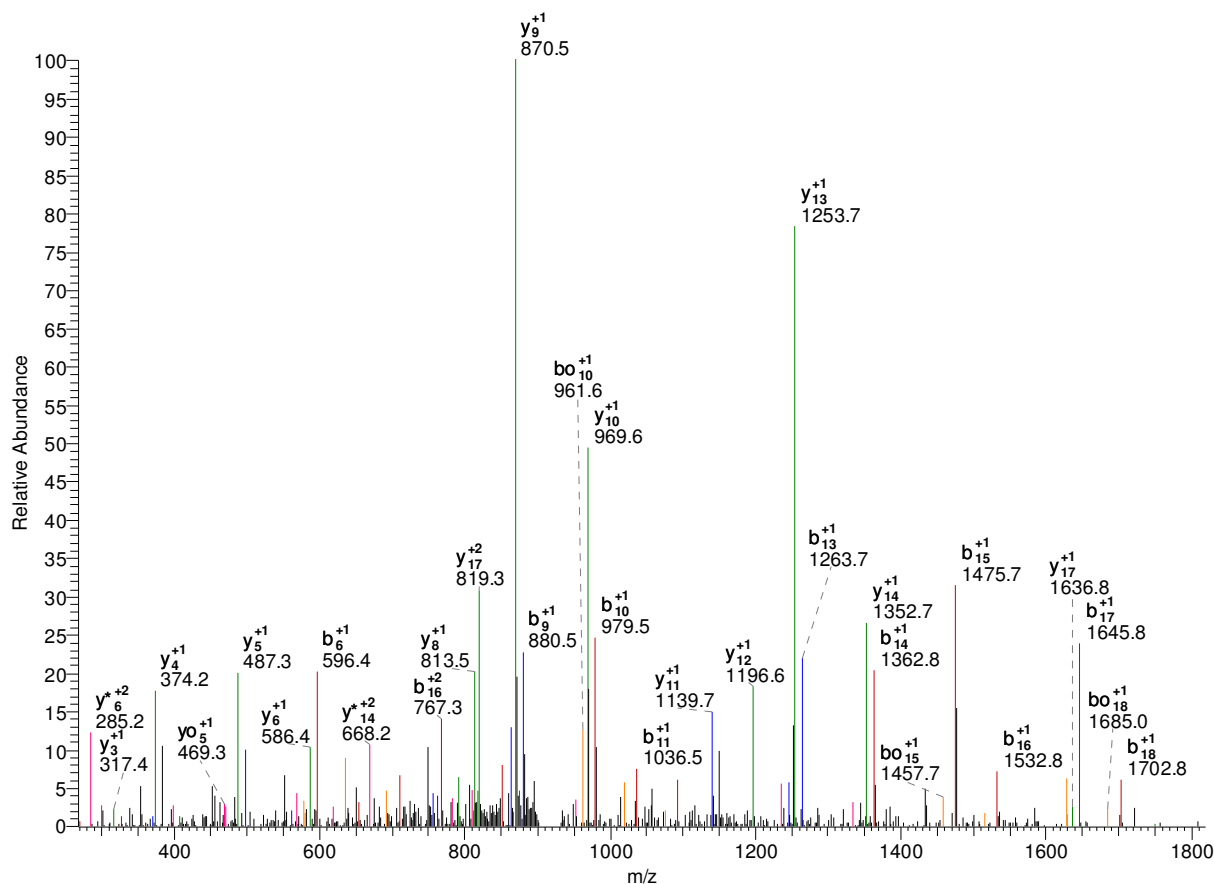
1	V	50.54	42.03	41.54	-	-	-	19
2	I	107.08	98.57	98.08	875.53	867.02	866.53	18
3	G	135.59	127.08	126.59	818.99	810.48	809.99	17
4	G	164.10	155.59	155.10	790.48	781.97	781.47	16
5	K*	249.16	240.64	240.15	761.97	753.46	752.96	15
6	V	298.69	290.18	289.69	676.92	668.40	667.91	14
7	G	327.20	318.69	318.20	627.38	618.87	618.38	13
8	G	355.71	347.20	346.71	598.87	590.36	589.87	12
9	K*	440.77	432.25	431.76	570.36	561.85	561.36	11
10	V	490.30	481.79	481.30	485.31	476.79	476.30	10
11	G	518.81	510.30	509.81	435.77	427.26	426.77	9
12	G	547.32	538.81	538.32	407.26	398.75	398.26	8
13	K*	632.37	623.86	623.37	378.75	370.24	369.75	7
14	V	681.91	673.40	672.90	293.70	285.19	284.69	6
15	L	738.45	729.94	729.45	244.17	235.65	235.16	5
16	G	766.96	758.45	757.96	187.62	179.11	178.62	4
17	L	823.50	814.99	814.50	159.11	150.60	150.11	3
18	G	852.01	843.50	843.01	102.57	94.06	93.57	2
19	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	V	34.03	28.35	28.03	-	-	-	19
2	I	71.72	66.05	65.72	584.02	578.35	578.02	18
3	G	90.73	85.06	84.73	546.33	540.65	540.33	17
4	G	109.74	104.06	103.74	527.32	521.65	521.32	16
5	K*	166.44	160.77	160.44	508.32	502.64	502.31	15
6	V	199.46	193.79	193.46	451.61	445.94	445.61	14
7	G	218.47	212.80	212.47	418.59	412.92	412.59	13
8	G	237.48	231.80	231.47	399.58	393.91	393.58	12
9	K*	294.18	288.50	288.18	380.58	374.90	374.57	11
10	V	327.20	321.53	321.20	323.87	318.20	317.87	10
11	G	346.21	340.53	340.21	290.85	285.18	284.85	9
12	G	365.22	359.54	359.21	271.84	266.17	265.84	8
13	K*	421.92	416.24	415.92	252.84	247.16	246.83	7
14	V	454.94	449.27	448.94	196.14	190.46	190.13	6
15	L	492.64	486.96	486.63	163.11	157.44	157.11	5
16	G	511.64	505.97	505.64	125.42	119.74	119.41	4
17	L	549.34	543.66	543.33	106.41	100.74	100.41	3
18	G	568.35	562.67	562.34	68.72	63.04	62.71	2
19	K	-	-	-	49.71	44.03	43.71	1

-

1849.13 K.VIGGK*VGGK*VGGK*VLGLGK.G psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant, putative | locatio
 6 - 25
 #7158-7158 NL: 6.38E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	19
2	I	213.16	196.13	195.15	1750.06	1733.03	1732.05	18
3	G	270.18	253.15	252.17	1636.97	1619.95	1618.96	17
4	G	327.20	310.18	309.19	1579.95	1562.93	1561.94	16
5	K*	497.31	480.28	479.30	1522.93	1505.91	1504.92	15
6	V	596.38	579.35	578.37	1352.83	1335.80	1334.82	14
7	G	653.40	636.37	635.39	1253.76	1236.73	1235.75	13
8	G	710.42	693.39	692.41	1196.74	1179.71	1178.73	12
9	K*	880.53	863.50	862.51	1139.71	1122.69	1121.70	11
10	V	979.59	962.57	961.58	969.61	952.58	951.60	10
11	G	1036.61	1019.59	1018.60	870.54	853.51	852.53	9
12	G	1093.64	1076.61	1075.63	813.52	796.49	795.51	8
13	K*	1263.74	1246.72	1245.73	756.50	739.47	738.49	7
14	V	1362.81	1345.78	1344.80	586.39	569.37	568.38	6
15	L	1475.89	1458.87	1457.88	487.32	470.30	469.31	5
16	G	1532.92	1515.89	1514.91	374.24	357.21	356.23	4
17	L	1646.00	1628.97	1627.99	317.22	300.19	299.21	3
18	G	1703.02	1685.99	1685.01	204.13	187.11	186.12	2
19	K	-	-	-	147.11	130.09	129.10	1

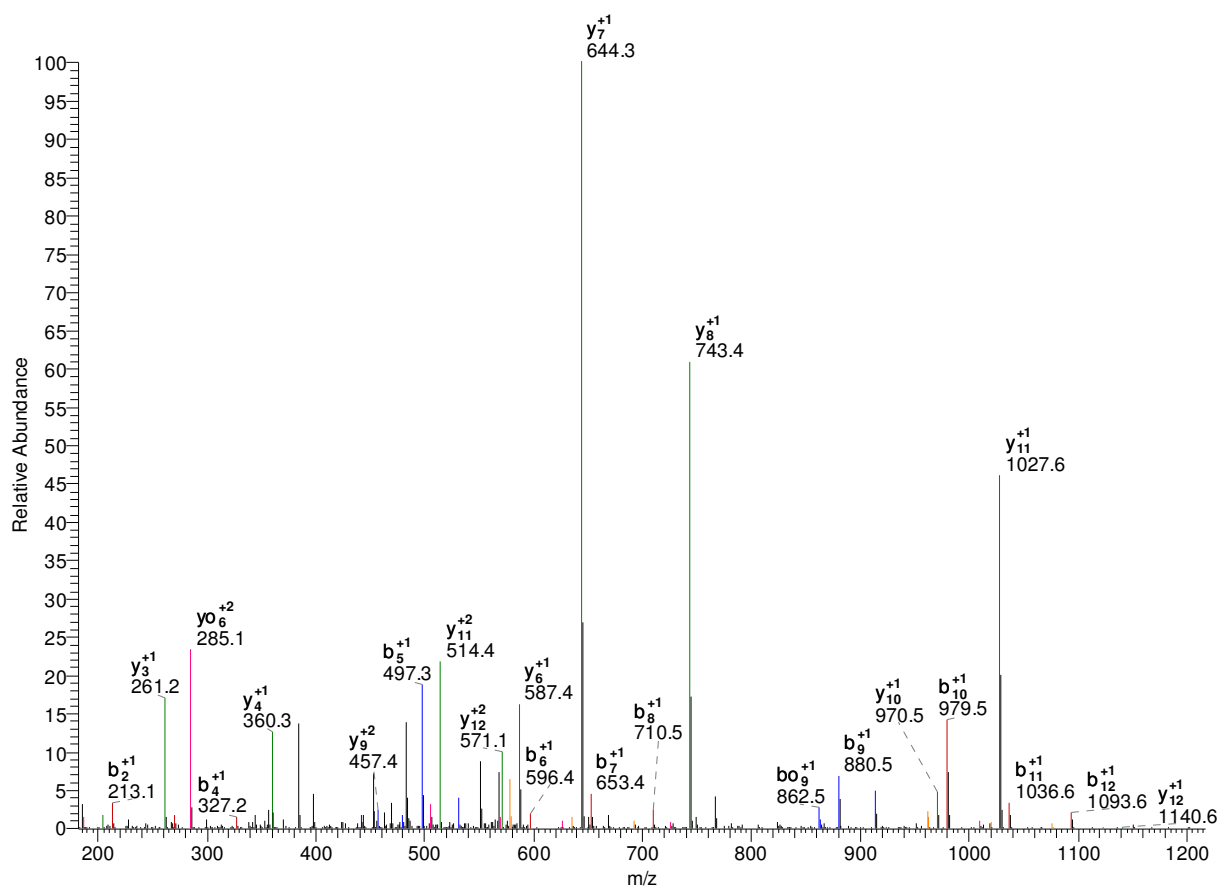
+2 Ions		B	B*	B0	Y	Y*	Y0	

1	V	50.54	42.03	41.54	-	-	-	19
2	I	107.08	98.57	98.08	875.53	867.02	866.53	18
3	G	135.59	127.08	126.59	818.99	810.48	809.99	17
4	G	164.10	155.59	155.10	790.48	781.97	781.47	16
5	K*	249.16	240.64	240.15	761.97	753.46	752.96	15
6	V	298.69	290.18	289.69	676.92	668.40	667.91	14
7	G	327.20	318.69	318.20	627.38	618.87	618.38	13
8	G	355.71	347.20	346.71	598.87	590.36	589.87	12
9	K*	440.77	432.25	431.76	570.36	561.85	561.36	11
10	V	490.30	481.79	481.30	485.31	476.79	476.30	10
11	G	518.81	510.30	509.81	435.77	427.26	426.77	9
12	G	547.32	538.81	538.32	407.26	398.75	398.26	8
13	K*	632.37	623.86	623.37	378.75	370.24	369.75	7
14	V	681.91	673.40	672.90	293.70	285.19	284.69	6
15	L	738.45	729.94	729.45	244.17	235.65	235.16	5
16	G	766.96	758.45	757.96	187.62	179.11	178.62	4
17	L	823.50	814.99	814.50	159.11	150.60	150.11	3
18	G	852.01	843.50	843.01	102.57	94.06	93.57	2
19	K	-	-	-	74.06	65.55	65.05	1

-

1239.74 K.VIGGK*VGGK*VGGK.V psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant, putative | locatio
 6 - 19

#1920-1920 NL: 1.43E4



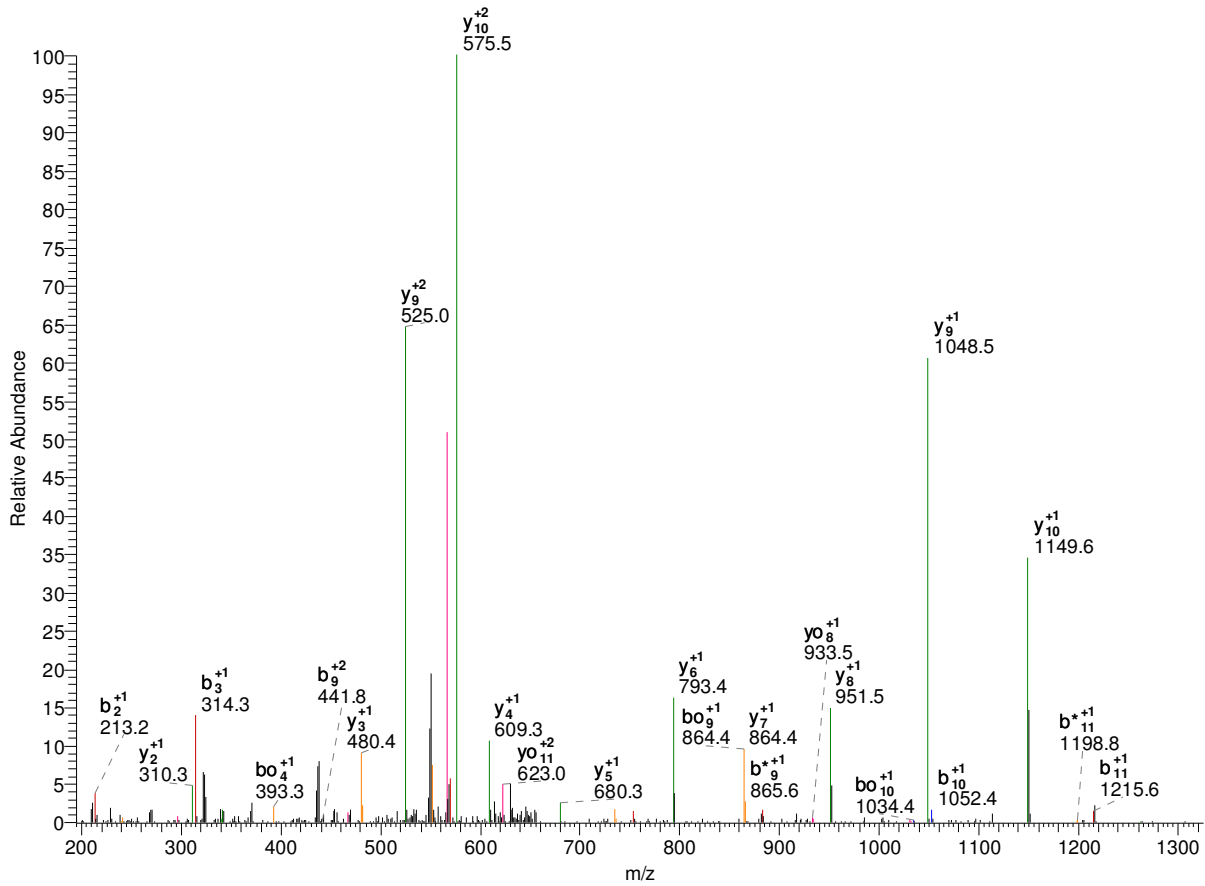
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	13
2	I	213.16	196.13	195.15	1140.67	1123.65	1122.66	12
3	G	270.18	253.15	252.17	1027.59	1010.56	1009.58	11
4	G	327.20	310.18	309.19	970.57	953.54	952.56	10
5	K*	497.31	480.28	479.30	913.55	896.52	895.54	9
6	V	596.38	579.35	578.37	743.44	726.41	725.43	8
7	G	653.40	636.37	635.39	644.37	627.35	626.36	7
8	G	710.42	693.39	692.41	587.35	570.32	569.34	6
9	K*	880.53	863.50	862.51	530.33	513.30	512.32	5
10	V	979.59	962.57	961.58	360.22	343.20	342.21	4
11	G	1036.61	1019.59	1018.60	261.16	244.13	243.15	3
12	G	1093.64	1076.61	1075.63	204.13	187.11	186.12	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	13
2	I	107.08	98.57	98.08	570.84	562.33	561.84	12
3	G	135.59	127.08	126.59	514.30	505.79	505.29	11
4	G	164.10	155.59	155.10	485.79	477.27	476.78	10
5	K*	249.16	240.64	240.15	457.28	448.76	448.27	9
6	V	298.69	290.18	289.69	372.22	363.71	363.22	8

7	G	327.20	318.69	318.20	322.69	314.18	313.68	7
8	G	355.71	347.20	346.71	294.18	285.67	285.17	6
9	K*	440.77	432.25	431.76	265.67	257.16	256.66	5
10	V	490.30	481.79	481.30	180.62	172.10	171.61	4
11	G	518.81	510.30	509.81	131.08	122.57	122.08	3
12	G	547.32	538.81	538.32	102.57	94.06	93.57	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1361.77 K.VITPSAIAEK*YK.V psu|PF14_0205 | organism=Plasmodium_falciparum_3D7 | product=ribosomal protein S25, putative | loca 87 - 99 #3624-3624 NL: 1.15E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	12
2	I	213.16	196.13	195.15	1262.70	1245.67	1244.69	11
3	T	314.21	297.18	296.20	1149.62	1132.59	1131.60	10
4	P	411.26	394.23	393.25	1048.57	1031.54	1030.56	9
5	S	498.29	481.27	480.28	951.51	934.49	933.50	8
6	A	569.33	552.30	551.32	864.48	847.46	846.47	7
7	I	682.41	665.39	664.40	793.45	776.42	775.43	6
8	A	753.45	736.42	735.44	680.36	663.33	662.35	5
9	E	882.49	865.47	864.48	609.32	592.30	591.31	4
10	K*	1052.60	1035.57	1034.59	480.28	463.26	462.27	3
11	Y	1215.66	1198.64	1197.65	310.18	293.15	292.17	2
12	K	-	-	-	147.11	130.09	129.10	1

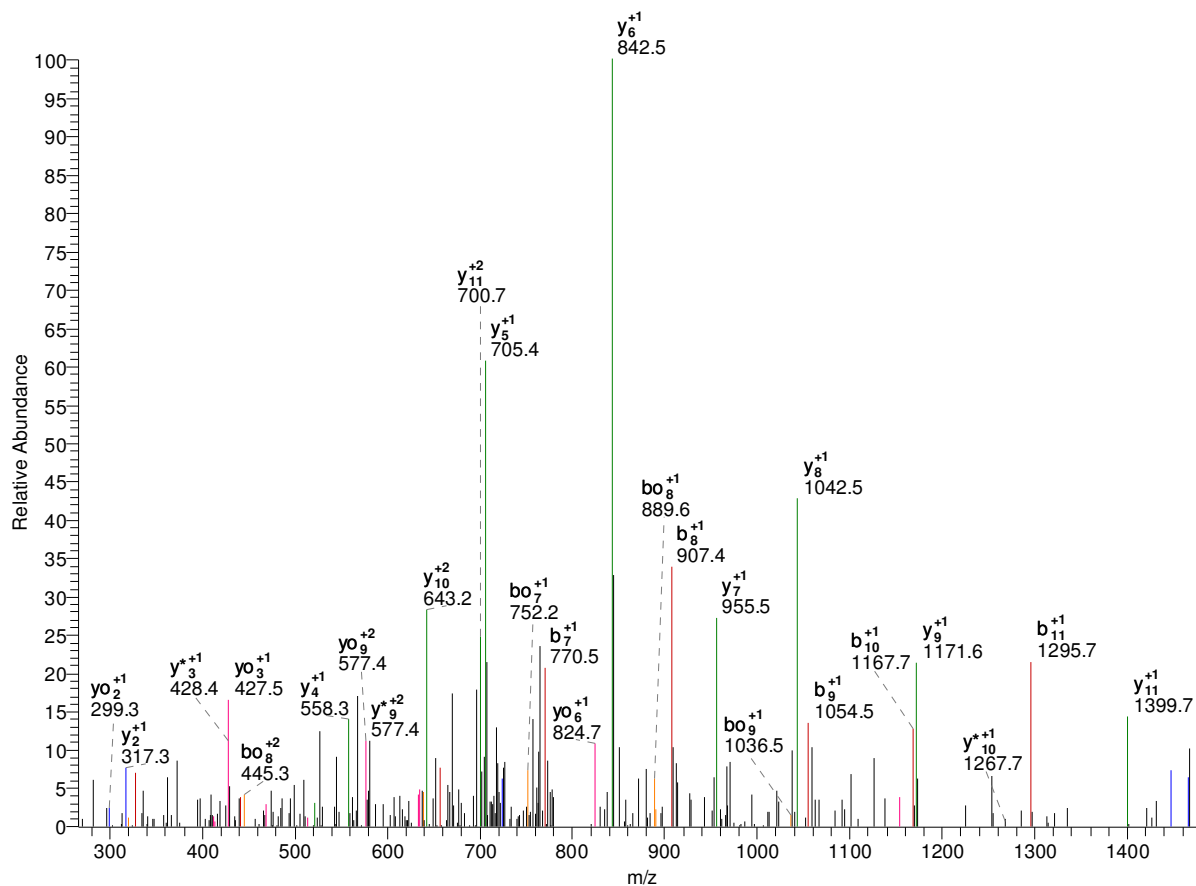
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	12
2	I	107.08	98.57	98.08	631.85	623.34	622.85	11
3	T	157.61	149.09	148.60	575.31	566.80	566.31	10
4	P	206.13	197.62	197.13	524.79	516.27	515.78	9
5	S	249.65	241.14	240.64	476.26	467.75	467.26	8
6	A	285.17	276.66	276.16	432.74	424.23	423.74	7
7	I	341.71	333.20	332.71	397.23	388.71	388.22	6
8	A	377.23	368.72	368.22	340.68	332.17	331.68	5

9	E	441.75	433.24	432.74	305.17	296.65	296.16	4
10	K*	526.80	518.29	517.80	240.64	232.13	231.64	3
11	Y	608.33	599.82	599.33	155.59	147.08	146.59	2
12	K	-	-	-	74.06	65.55	65.05	1

—

1611.91 K.VLDLESIHFQK*K.R psu|PFL1110c | organism=Plasmodium_falciparum_3D7 | product=cAMP-dependent protein kinase regulator 133 - 146

#6384-6384 NL: 7.39E1



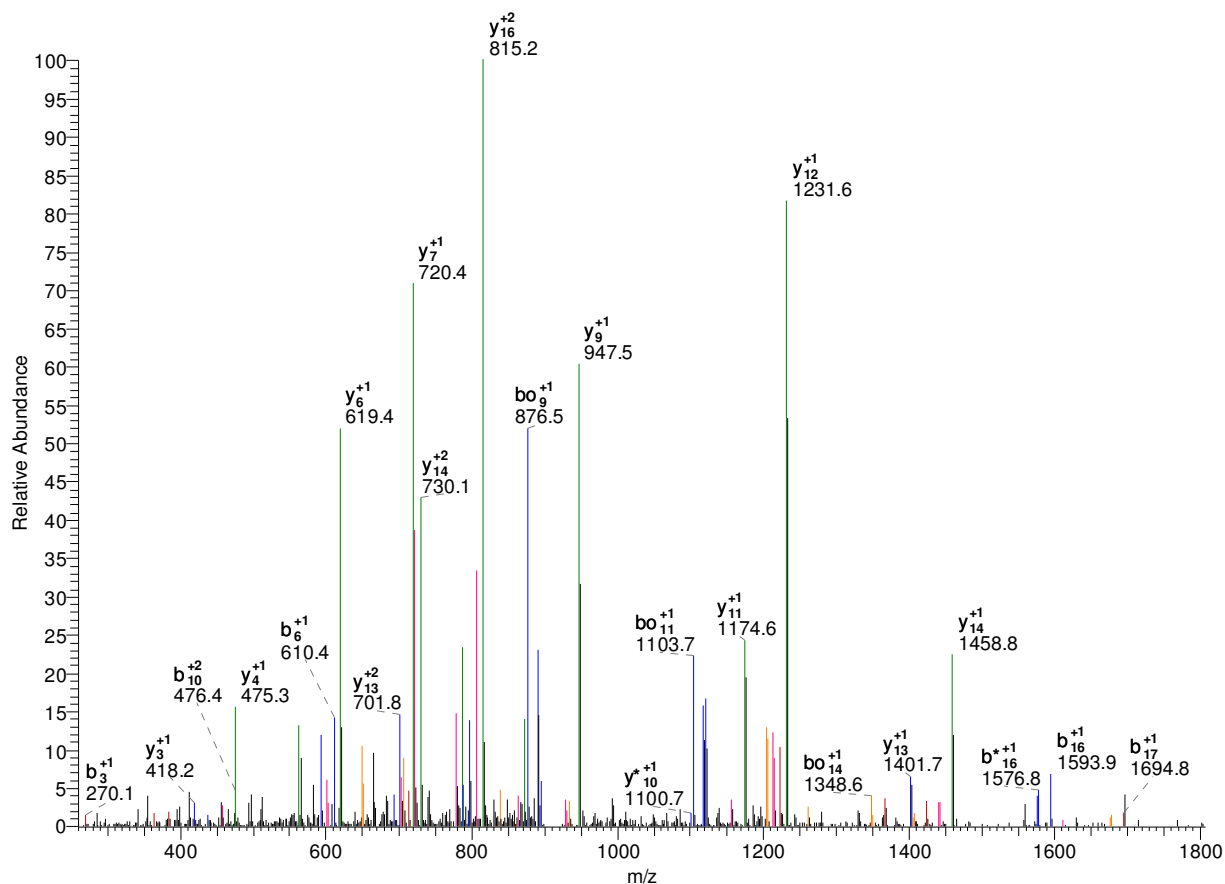
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	13
2	L	213.16	196.13	195.15	1512.84	1495.82	1494.83	12
3	D	328.19	311.16	310.18	1399.76	1382.73	1381.75	11
4	L	441.27	424.24	423.26	1284.73	1267.70	1266.72	10
5	E	570.31	553.29	552.30	1171.65	1154.62	1153.64	9
6	S	657.35	640.32	639.33	1042.60	1025.58	1024.59	8
7	I	770.43	753.40	752.42	955.57	938.55	937.56	7
8	H	907.49	890.46	889.48	842.49	825.46	824.48	6
9	F	1054.56	1037.53	1036.55	705.43	688.40	687.42	5
10	I	1167.64	1150.61	1149.63	558.36	541.33	540.35	4
11	Q	1295.70	1278.67	1277.69	445.28	428.25	427.27	3
12	K*	1465.80	1448.78	1447.79	317.22	300.19	299.21	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	13
2	L	107.08	98.57	98.08	756.92	748.41	747.92	12
3	D	164.60	156.08	155.59	700.38	691.87	691.38	11
4	L	221.14	212.63	212.13	642.87	634.36	633.86	10
5	E	285.66	277.15	276.66	586.33	577.81	577.32	9
6	S	329.18	320.66	320.17	521.81	513.29	512.80	8
7	I	385.72	377.21	376.71	478.29	469.78	469.28	7

8	H	454.25	445.73	445.24	421.75	413.23	412.74	6
9	F	527.78	519.27	518.78	353.22	344.71	344.21	5
10	I	584.32	575.81	575.32	279.68	271.17	270.68	4
11	Q	648.35	639.84	639.35	223.14	214.63	214.14	3
12	K*	733.41	724.89	724.40	159.11	150.60	150.11	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1841.05 K.VLGLGK*GK*GK*TGSGK*TK.K psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant, putative | locatio
 19 - 37
 #3227-3227 NL: 1.42E3

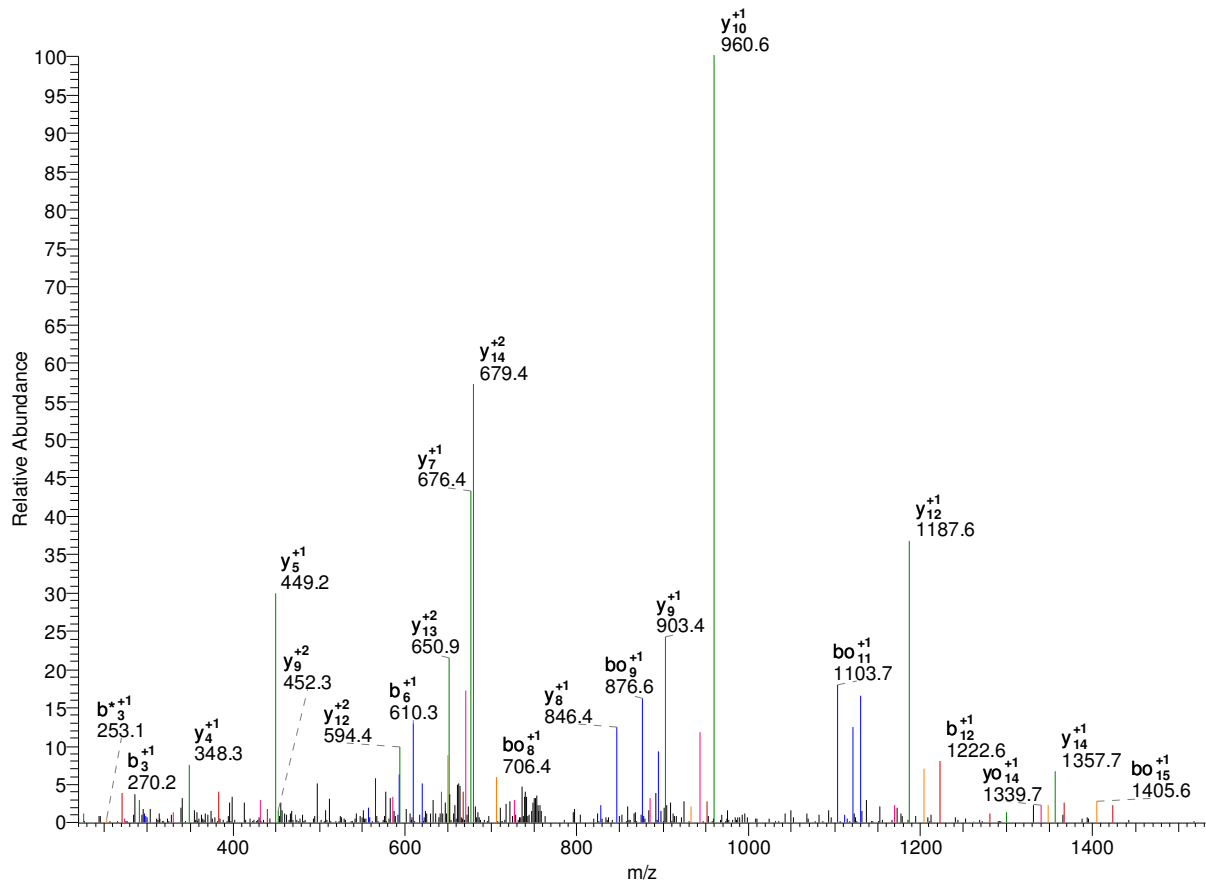


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	18
2	L	213.16	196.13	195.15	1741.98	1724.95	1723.97	17
3	G	270.18	253.15	252.17	1628.90	1611.87	1610.89	16
4	L	383.27	366.24	365.25	1571.88	1554.85	1553.86	15
5	G	440.29	423.26	422.28	1458.79	1441.76	1440.78	14
6	K*	610.39	593.37	592.38	1401.77	1384.74	1383.76	13
7	G	667.41	650.39	649.40	1231.66	1214.64	1213.65	12
8	G	724.44	707.41	706.42	1174.64	1157.62	1156.63	11
9	K*	894.54	877.51	876.53	1117.62	1100.59	1099.61	10
10	G	951.56	934.54	933.55	947.52	930.49	929.51	9
11	K*	1121.67	1104.64	1103.66	890.49	873.47	872.48	8
12	T	1222.72	1205.69	1204.70	720.39	703.36	702.38	7
13	G	1279.74	1262.71	1261.73	619.34	602.31	601.33	6
14	S	1366.77	1349.74	1348.76	562.32	545.29	544.31	5
15	G	1423.79	1406.76	1405.78	475.29	458.26	457.28	4
16	K*	1593.90	1576.87	1575.89	418.27	401.24	400.26	3
17	T	1694.94	1677.92	1676.93	248.16	231.13	230.15	2
18	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	18

2	L	107.08	98.57	98.08	871.49	862.98	862.49	17
3	G	135.59	127.08	126.59	814.95	806.44	805.95	16
4	L	192.14	183.62	183.13	786.44	777.93	777.44	15
5	G	220.65	212.13	211.64	729.90	721.39	720.89	14
6	K*	305.70	297.19	296.69	701.39	692.88	692.38	13
7	G	334.21	325.70	325.21	616.34	607.82	607.33	12
8	G	362.72	354.21	353.72	587.82	579.31	578.82	11
9	K*	447.77	439.26	438.77	559.31	550.80	550.31	10
10	G	476.28	467.77	467.28	474.26	465.75	465.26	9
11	K*	561.34	552.82	552.33	445.75	437.24	436.75	8
12	T	611.86	603.35	602.86	360.70	352.18	351.69	7
13	G	640.37	631.86	631.37	310.17	301.66	301.17	6
14	S	683.89	675.37	674.88	281.66	273.15	272.66	5
15	G	712.40	703.89	703.39	238.15	229.63	229.14	4
16	K*	797.45	788.94	788.45	209.64	201.12	200.63	3
17	T	847.98	839.46	838.97	124.58	116.07	115.58	2
18	K	-	-	-	74.06	65.55	65.05	1

1569.90 K.VLGLGK*GK*GK*TGSGK.T psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant, putative | locatio
 19 - 35
 #3039-3039 NL: 8.89E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	16
2	L	213.16	196.13	195.15	1470.83	1453.80	1452.82	15
3	G	270.18	253.15	252.17	1357.74	1340.72	1339.73	14
4	L	383.27	366.24	365.25	1300.72	1283.70	1282.71	13
5	G	440.29	423.26	422.28	1187.64	1170.61	1169.63	12
6	K*	610.39	593.37	592.38	1130.62	1113.59	1112.61	11
7	G	667.41	650.39	649.40	960.51	943.48	942.50	10
8	G	724.44	707.41	706.42	903.49	886.46	885.48	9
9	K*	894.54	877.51	876.53	846.47	829.44	828.46	8
10	G	951.56	934.54	933.55	676.36	659.34	658.35	7
11	K*	1121.67	1104.64	1103.66	619.34	602.31	601.33	6
12	T	1222.72	1205.69	1204.70	449.24	432.21	431.22	5
13	G	1279.74	1262.71	1261.73	348.19	331.16	330.18	4
14	S	1366.77	1349.74	1348.76	291.17	274.14	273.16	3
15	G	1423.79	1406.76	1405.78	204.13	187.11	186.12	2
16	K	-	-	-	147.11	130.09	129.10	1

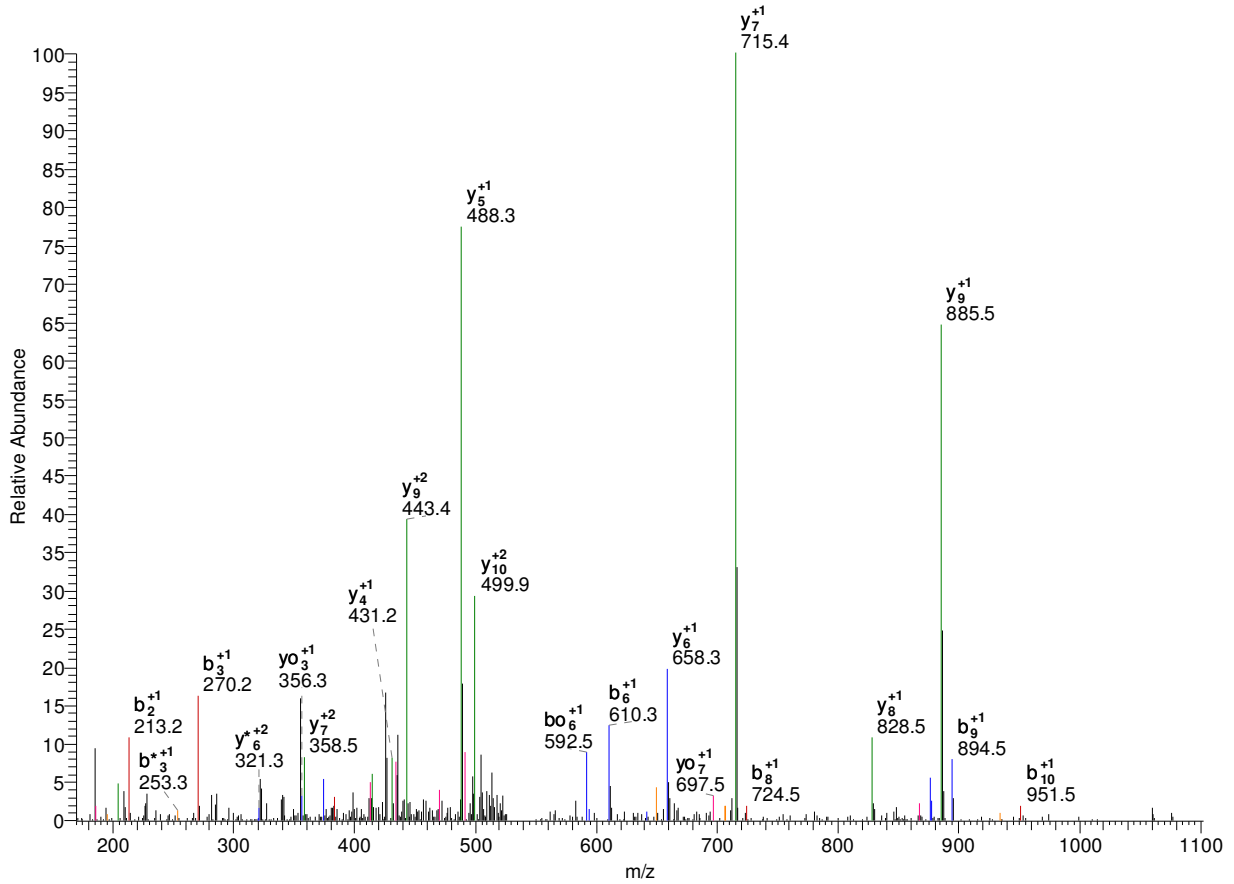
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	16
2	L	107.08	98.57	98.08	735.92	727.40	726.91	15
3	G	135.59	127.08	126.59	679.38	670.86	670.37	14

4	L	192.14	183.62	183.13	650.86	642.35	641.86	13
5	G	220.65	212.13	211.64	594.32	585.81	585.32	12
6	K*	305.70	297.19	296.69	565.81	557.30	556.81	11
7	G	334.21	325.70	325.21	480.76	472.25	471.75	10
8	G	362.72	354.21	353.72	452.25	443.74	443.24	9
9	K*	447.77	439.26	438.77	423.74	415.22	414.73	8
10	G	476.28	467.77	467.28	338.68	330.17	329.68	7
11	K*	561.34	552.82	552.33	310.17	301.66	301.17	6
12	T	611.86	603.35	602.86	225.12	216.61	216.12	5
13	G	640.37	631.86	631.37	174.60	166.08	165.59	4
14	S	683.89	675.37	674.88	146.09	137.57	137.08	3
15	G	712.40	703.89	703.39	102.57	94.06	93.57	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1097.67 K.VLGLGK*GK*GK.T psu|PFC0920w | organism=Plasmodium_falciparum_3D7 | product=histone H2A variant, putative | locatio 19 - 30

#2698-2698 NL: 6.45E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	11
2	L	213.16	196.13	195.15	998.60	981.57	980.59	10
3	G	270.18	253.15	252.17	885.52	868.49	867.50	9
4	L	383.27	366.24	365.25	828.49	811.47	810.48	8
5	G	440.29	423.26	422.28	715.41	698.38	697.40	7
6	K*	610.39	593.37	592.38	658.39	641.36	640.38	6
7	G	667.41	650.39	649.40	488.28	471.26	470.27	5
8	G	724.44	707.41	706.42	431.26	414.23	413.25	4
9	K*	894.54	877.51	876.53	374.24	357.21	356.23	3
10	G	951.56	934.54	933.55	204.13	187.11	186.12	2
11	K	-	-	-	147.11	130.09	129.10	1

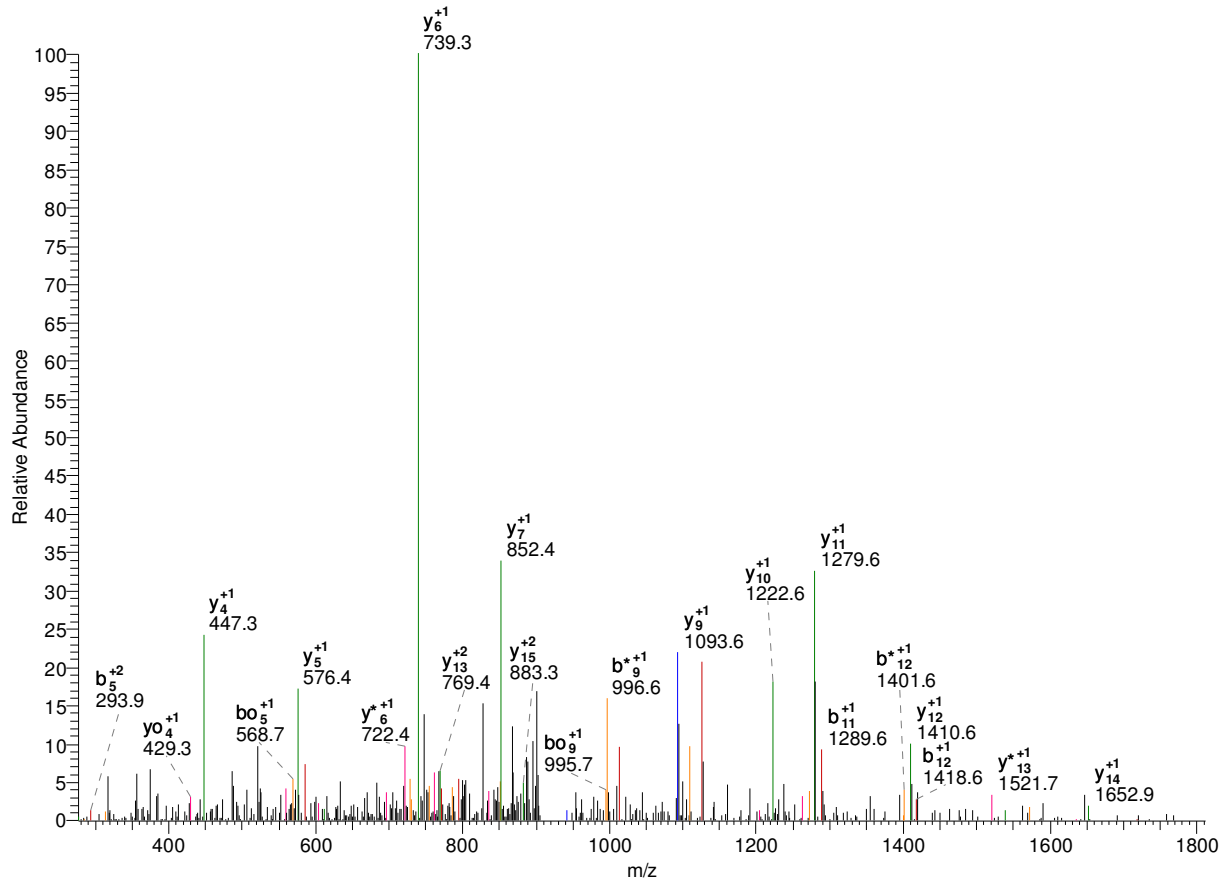
-

+2 Ions		B	B *	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	11
2	L	107.08	98.57	98.08	499.80	491.29	490.80	10
3	G	135.59	127.08	126.59	443.26	434.75	434.26	9
4	L	192.14	183.62	183.13	414.75	406.24	405.75	8
5	G	220.65	212.13	211.64	358.21	349.70	349.20	7
6	K*	305.70	297.19	296.69	329.70	321.18	320.69	6
7	G	334.21	325.70	325.21	244.65	236.13	235.64	5
8	G	362.72	354.21	353.72	216.13	207.62	207.13	4

9	K*	447.77	439.26	438.77	187.62	179.11	178.62	3
10	G	476.28	467.77	467.28	102.57	94.06	93.57	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1864.91 K.VLNQMGEK*AIYEGNEK.D
 psu|PF10_0190 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 699 - 715
 #3669-3669 NL: 2.72E2

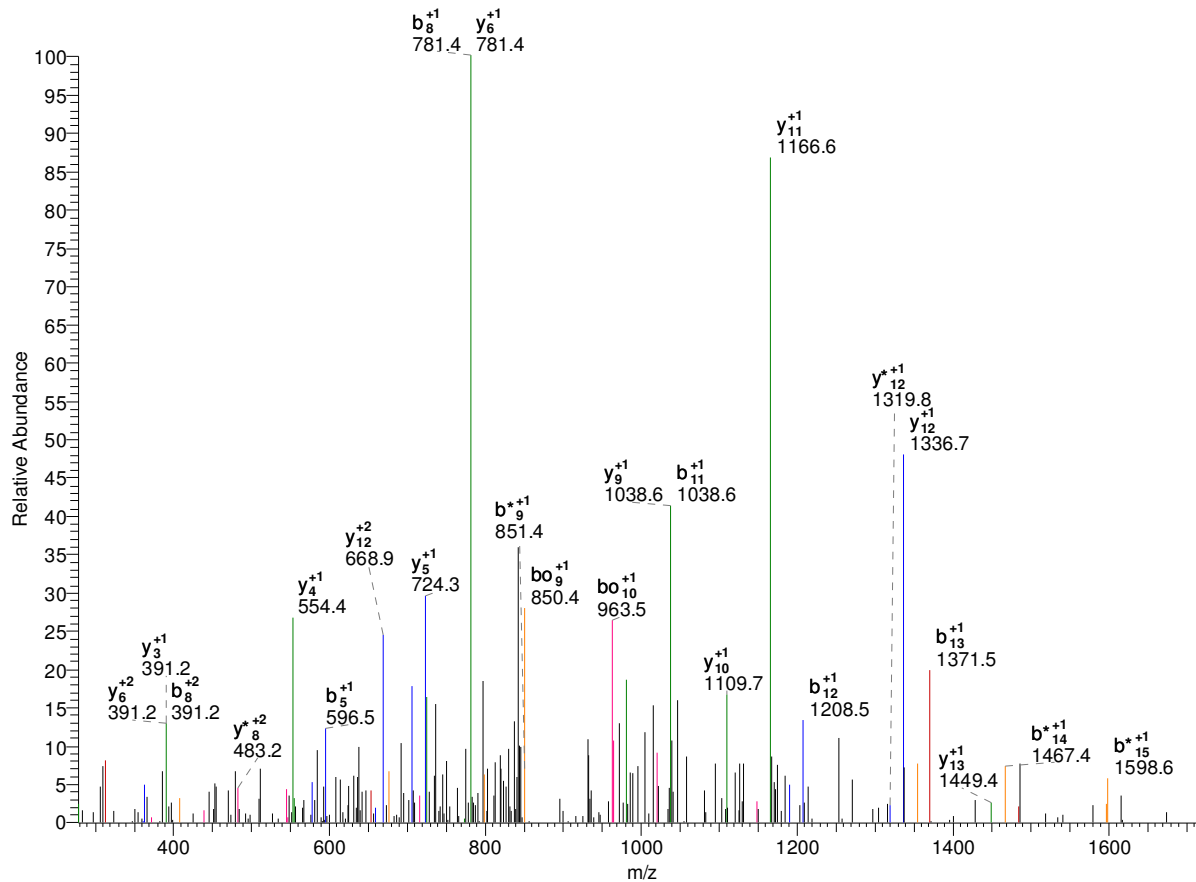


+1 Ions		B	B *	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	16
2	L	213.16	196.13	195.15	1765.84	1748.82	1747.83	15
3	N	327.20	310.18	309.19	1652.76	1635.73	1634.75	14
4	Q	455.26	438.23	437.25	1538.72	1521.69	1520.70	13
5	M	586.30	569.28	568.29	1410.66	1393.63	1392.65	12
6	G	643.32	626.30	625.31	1279.62	1262.59	1261.61	11
7	E	772.37	755.34	754.36	1222.60	1205.57	1204.58	10
8	K*	942.47	925.44	924.46	1093.55	1076.53	1075.54	9
9	A	1013.51	996.48	995.50	923.45	906.42	905.44	8
10	I	1126.59	1109.57	1108.58	852.41	835.38	834.40	7
11	Y	1289.66	1272.63	1271.65	739.33	722.30	721.32	6
12	E	1418.70	1401.67	1400.69	576.26	559.24	558.25	5
13	G	1475.72	1458.69	1457.71	447.22	430.19	429.21	4
14	N	1589.76	1572.74	1571.75	390.20	373.17	372.19	3
15	E	1718.81	1701.78	1700.79	276.16	259.13	258.14	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B *	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	16
2	L	107.08	98.57	98.08	883.42	874.91	874.42	15

3	N	164.10	155.59	155.10	826.88	818.37	817.88	14
4	Q	228.13	219.62	219.13	769.86	761.35	760.86	13
5	M	293.65	285.14	284.65	705.83	697.32	696.83	12
6	G	322.17	313.65	313.16	640.31	631.80	631.31	11
7	E	386.69	378.17	377.68	611.80	603.29	602.80	10
8	K*	471.74	463.23	462.73	547.28	538.77	538.27	9
9	A	507.26	498.74	498.25	462.23	453.71	453.22	8
10	I	563.80	555.29	554.79	426.71	418.20	417.70	7
11	Y	645.33	636.82	636.33	370.17	361.65	361.16	6
12	E	709.85	701.34	700.85	288.63	280.12	279.63	5
13	G	738.36	729.85	729.36	224.11	215.60	215.11	4
14	N	795.39	786.87	786.38	195.60	187.09	186.60	3
15	E	859.91	851.39	850.90	138.58	130.07	129.58	2
16	K	-	-	-	74.06	65.55	65.05	1

1761.99 K.VNVIK*GAGSIGK*YIMK.E
 psu|PF11_0192 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 10 - 26
 #6220-6220 NL: 8.65E1



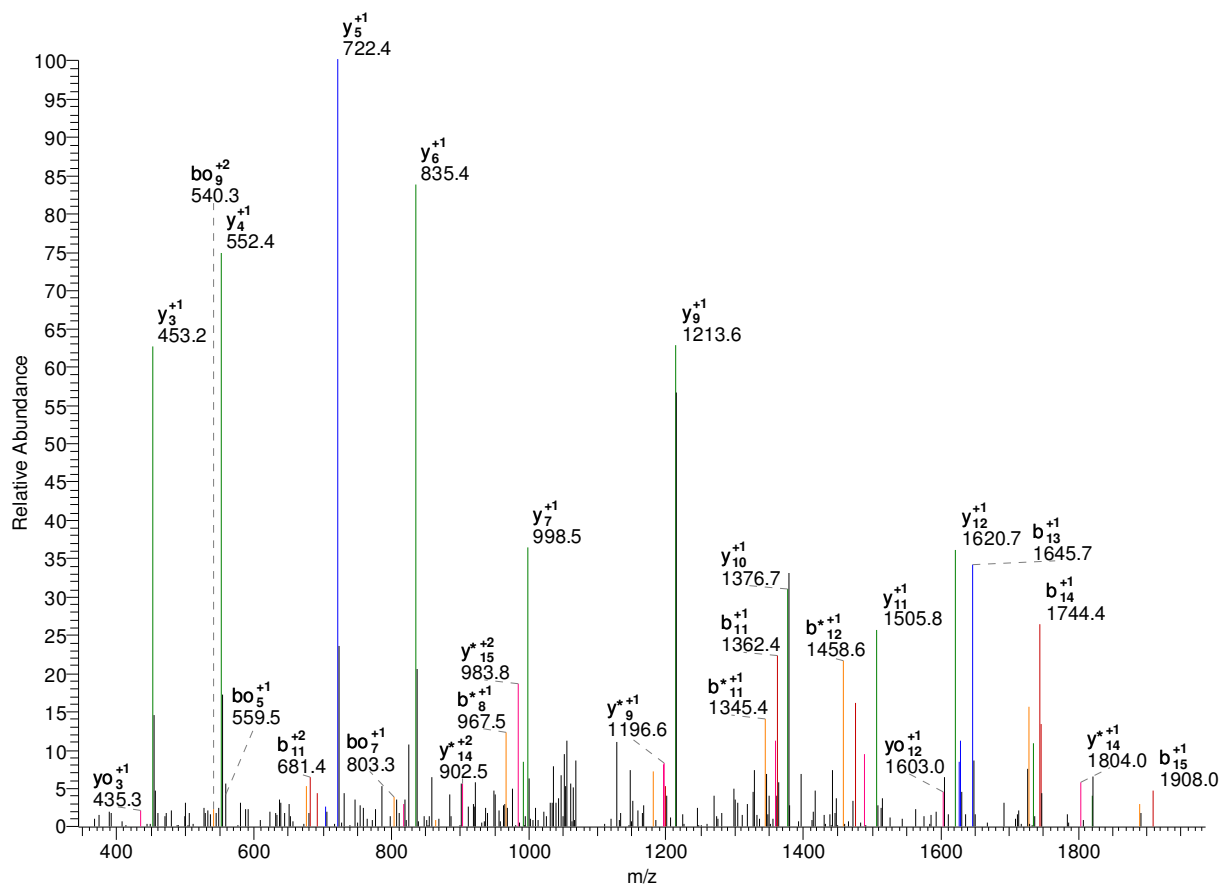
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	16
2	N	214.12	197.09	196.11	1662.92	1645.90	1644.91	15
3	V	313.19	296.16	295.18	1548.88	1531.86	1530.87	14
4	I	426.27	409.24	408.26	1449.81	1432.79	1431.80	13
5	K*	596.38	579.35	578.37	1336.73	1319.70	1318.72	12
6	G	653.40	636.37	635.39	1166.62	1149.60	1148.61	11
7	A	724.44	707.41	706.42	1109.60	1092.58	1091.59	10
8	G	781.46	764.43	763.45	1038.57	1021.54	1020.55	9
9	S	868.49	851.46	850.48	981.54	964.52	963.53	8
10	I	981.57	964.55	963.56	894.51	877.49	876.50	7
11	G	1038.59	1021.57	1020.58	781.43	764.40	763.42	6
12	K*	1208.70	1191.67	1190.69	724.41	707.38	706.40	5
13	Y	1371.76	1354.74	1353.75	554.30	537.27	536.29	4
14	I	1484.85	1467.82	1466.84	391.24	374.21	373.23	3
15	M	1615.89	1598.86	1597.88	278.15	261.13	260.14	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	16
2	N	107.56	99.05	98.56	831.97	823.45	822.96	15
3	V	157.10	148.58	148.09	774.94	766.43	765.94	14

4	I	213.64	205.13	204.63	725.41	716.90	716.41	13
5	K*	298.69	290.18	289.69	668.87	660.36	659.86	12
6	G	327.20	318.69	318.20	583.82	575.30	574.81	11
7	A	362.72	354.21	353.72	555.30	546.79	546.30	10
8	G	391.23	382.72	382.23	519.79	511.27	510.78	9
9	S	434.75	426.23	425.74	491.28	482.76	482.27	8
10	I	491.29	482.78	482.28	447.76	439.25	438.75	7
11	G	519.80	511.29	510.80	391.22	382.70	382.21	6
12	K*	604.85	596.34	595.85	362.71	354.19	353.70	5
13	Y	686.39	677.87	677.38	277.65	269.14	268.65	4
14	I	742.93	734.41	733.92	196.12	187.61	187.12	3
15	M	808.45	799.93	799.44	139.58	131.07	130.58	2
16	K	-	-	-	74.06	65.55	65.05	1

-

2197.04 K.VNYSLDEYNTYLK*VYDR.E
 psu|PF1110w | organism=Plasmodium_falciparum_3D7 | product=glutamate--ammonia ligase
 (glutamine sy 49 - 66
 #6200-6200 NL: 1.08E2



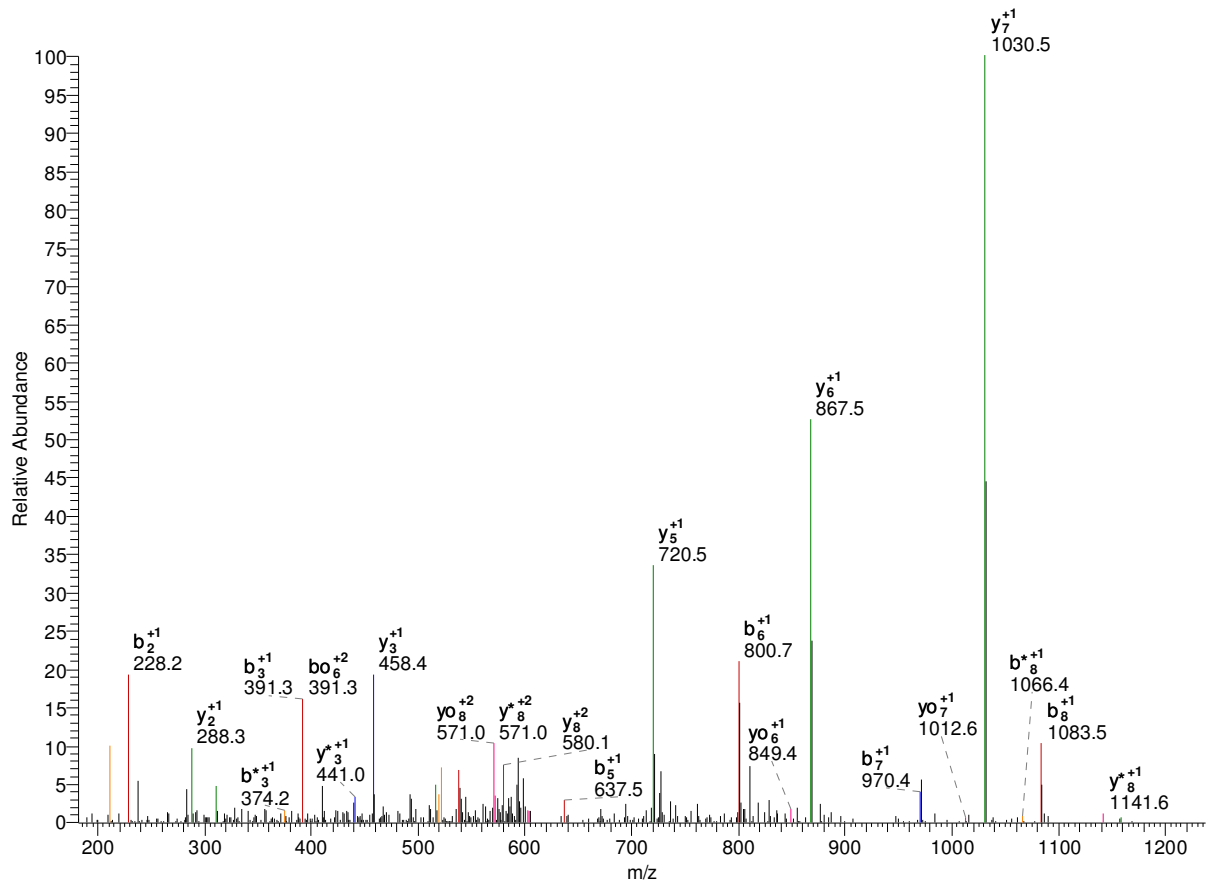
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	17
2	N	214.12	197.09	196.11	2097.98	2080.95	2079.97	16
3	Y	377.18	360.16	359.17	1983.93	1966.91	1965.92	15
4	S	464.21	447.19	446.20	1820.87	1803.84	1802.86	14
5	L	577.30	560.27	559.29	1733.84	1716.81	1715.83	13
6	D	692.32	675.30	674.31	1620.75	1603.73	1602.74	12
7	E	821.37	804.34	803.36	1505.73	1488.70	1487.72	11
8	Y	984.43	967.40	966.42	1376.68	1359.66	1358.67	10
9	N	1098.47	1081.45	1080.46	1213.62	1196.59	1195.61	9
10	T	1199.52	1182.49	1181.51	1099.58	1082.55	1081.57	8
11	Y	1362.58	1345.56	1344.57	998.53	981.50	980.52	7
12	L	1475.67	1458.64	1457.66	835.47	818.44	817.46	6
13	K*	1645.77	1628.75	1627.76	722.38	705.36	704.37	5
14	V	1744.84	1727.82	1726.83	552.28	535.25	534.27	4
15	Y	1907.91	1890.88	1889.90	453.21	436.18	435.20	3
16	D	2022.93	2005.91	2004.92	290.15	273.12	272.14	2
17	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	17
2	N	107.56	99.05	98.56	1049.49	1040.98	1040.49	16

3	Y	189.09	180.58	180.09	992.47	983.96	983.47	15
4	S	232.61	224.10	223.61	910.94	902.43	901.93	14
5	L	289.15	280.64	280.15	867.42	858.91	858.42	13
6	D	346.67	338.15	337.66	810.88	802.37	801.88	12
7	E	411.19	402.67	402.18	753.37	744.85	744.36	11
8	Y	492.72	484.21	483.71	688.85	680.33	679.84	10
9	N	549.74	541.23	540.74	607.31	598.80	598.31	9
10	T	600.26	591.75	591.26	550.29	541.78	541.29	8
11	Y	681.80	673.28	672.79	499.77	491.26	490.76	7
12	L	738.34	729.82	729.33	418.24	409.72	409.23	6
13	K*	823.39	814.88	814.39	361.70	353.18	352.69	5
14	V	872.93	864.41	863.92	276.64	268.13	267.64	4
15	Y	954.46	945.94	945.45	227.11	218.59	218.10	3
16	D	1011.97	1003.46	1002.96	145.58	137.06	136.57	2
17	R	-	-	-	88.06	79.55	79.06	1

-

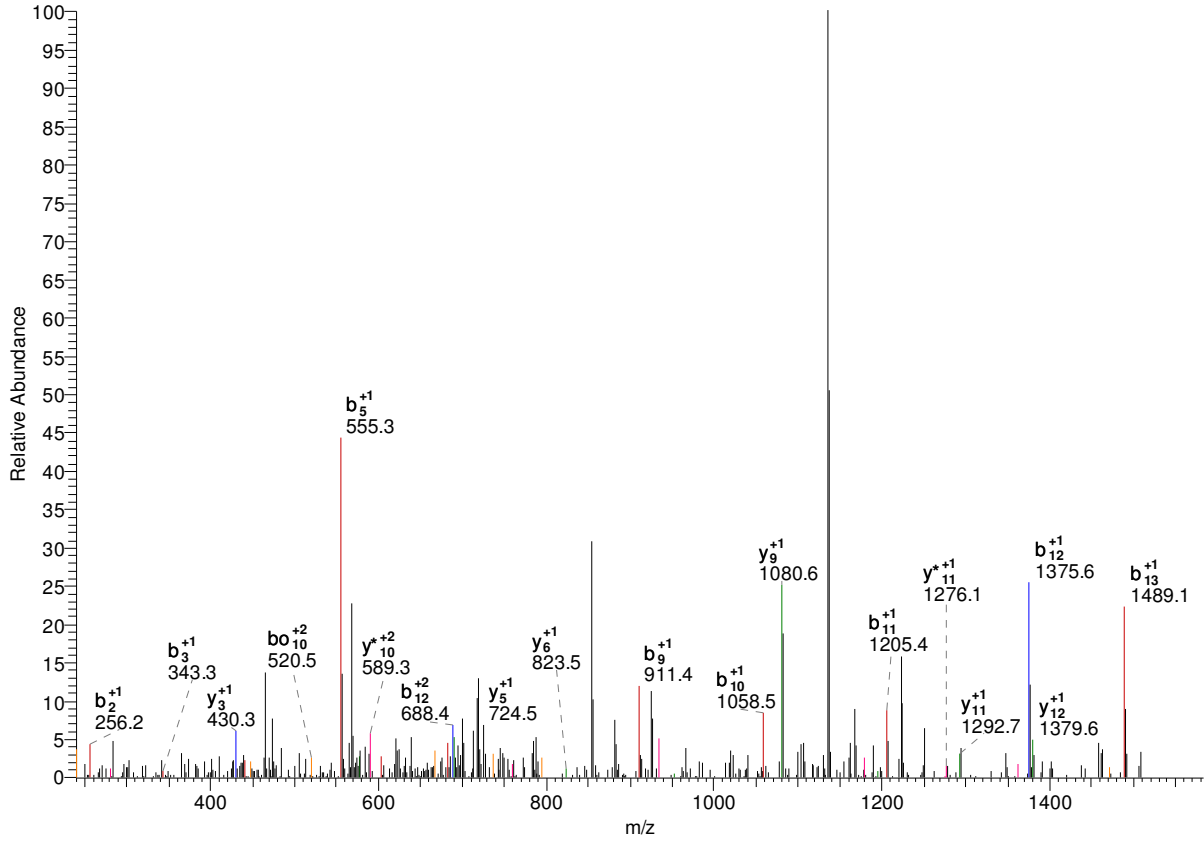
1257.70 R.VQYFVYK*LR.D
 psu|PF10_0322 | organism=Plasmodium_falciparum_3D7 | product=S-adenosylmethionine
 decarboxylase-orn 552 - 561
 #5146-5146 NL: 4.95E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	9
2	Q	228.13	211.11	210.12	1158.63	1141.60	1140.62	8
3	Y	391.20	374.17	373.19	1030.57	1013.55	1012.56	7
4	F	538.27	521.24	520.26	867.51	850.48	849.50	6
5	V	637.33	620.31	619.32	720.44	703.41	702.43	5
6	Y	800.40	783.37	782.39	621.37	604.35	603.36	4
7	K*	970.50	953.48	952.49	458.31	441.28	440.30	3
8	L	1083.59	1066.56	1065.58	288.20	271.18	270.19	2
9	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	9
2	Q	114.57	106.06	105.57	579.82	571.31	570.81	8
3	Y	196.10	187.59	187.10	515.79	507.28	506.78	7
4	F	269.64	261.12	260.63	434.26	425.74	425.25	6
5	V	319.17	310.66	310.17	360.72	352.21	351.72	5
6	Y	400.70	392.19	391.70	311.19	302.68	302.18	4
7	K*	485.76	477.24	476.75	229.66	221.14	220.65	3
8	L	542.30	533.78	533.29	144.61	136.09	135.60	2
9	R	-	-	-	88.06	79.55	79.06	1

1634.89 K.VRSPDGAEVFFK*IK.R
 psu|PFE0285c | organism=Plasmodium_falciparum_3D7 | product=ubiquitin-like protein,
 putative | loca 26 - 40
 #5931-5931 NL:2.48E2



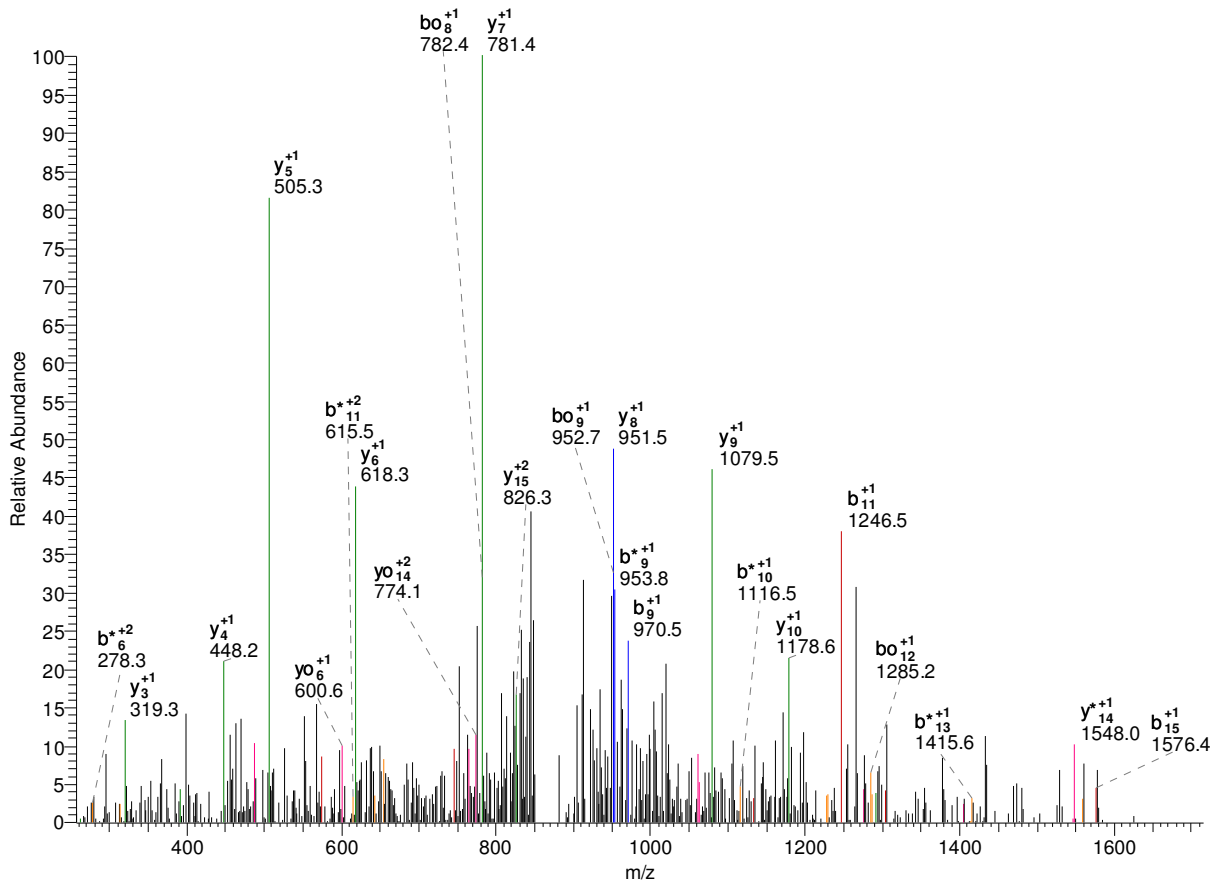
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	14
2	R	256.18	239.15	238.17	1535.82	1518.80	1517.81	13
3	S	343.21	326.18	325.20	1379.72	1362.69	1361.71	12
4	P	440.26	423.24	422.25	1292.69	1275.66	1274.68	11
5	D	555.29	538.26	537.28	1195.64	1178.61	1177.63	10
6	G	612.31	595.28	594.30	1080.61	1063.58	1062.60	9
7	A	683.35	666.32	665.34	1023.59	1006.56	1005.58	8
8	E	812.39	795.36	794.38	952.55	935.52	934.54	7
9	V	911.46	894.43	893.45	823.51	806.48	805.50	6
10	F	1058.53	1041.50	1040.52	724.44	707.41	706.43	5
11	F	1205.59	1188.57	1187.58	577.37	560.34	559.36	4
12	K*	1375.70	1358.67	1357.69	430.30	413.28	412.29	3
13	I	1488.78	1471.76	1470.77	260.20	243.17	242.19	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	14
2	R	128.59	120.08	119.59	768.41	759.90	759.41	13
3	S	172.11	163.59	163.10	690.36	681.85	681.36	12
4	P	220.63	212.12	211.63	646.85	638.33	637.84	11
5	D	278.15	269.63	269.14	598.32	589.81	589.32	10

6	G	306.66	298.15	297.65	540.81	532.29	531.80	9
7	A	342.18	333.66	333.17	512.30	503.78	503.29	8
8	E	406.70	398.19	397.69	476.78	468.27	467.77	7
9	V	456.23	447.72	447.23	412.26	403.74	403.25	6
10	F	529.77	521.25	520.76	362.72	354.21	353.72	5
11	F	603.30	594.79	594.30	289.19	280.68	280.18	4
12	K*	688.35	679.84	679.35	215.65	207.14	206.65	3
13	I	744.90	736.38	735.89	130.60	122.09	121.60	2
14	K	-	-	-	74.06	65.55	65.05	1

—

1750.90 R.VSGSELVQK*YIGEGSR.M
 psu|PFL2345c | organism=Plasmodium_falciparum_3D7 | product=tat-binding protein
 homolog | location= 243 - 259
 #6530-6530 NL: 1.02E2



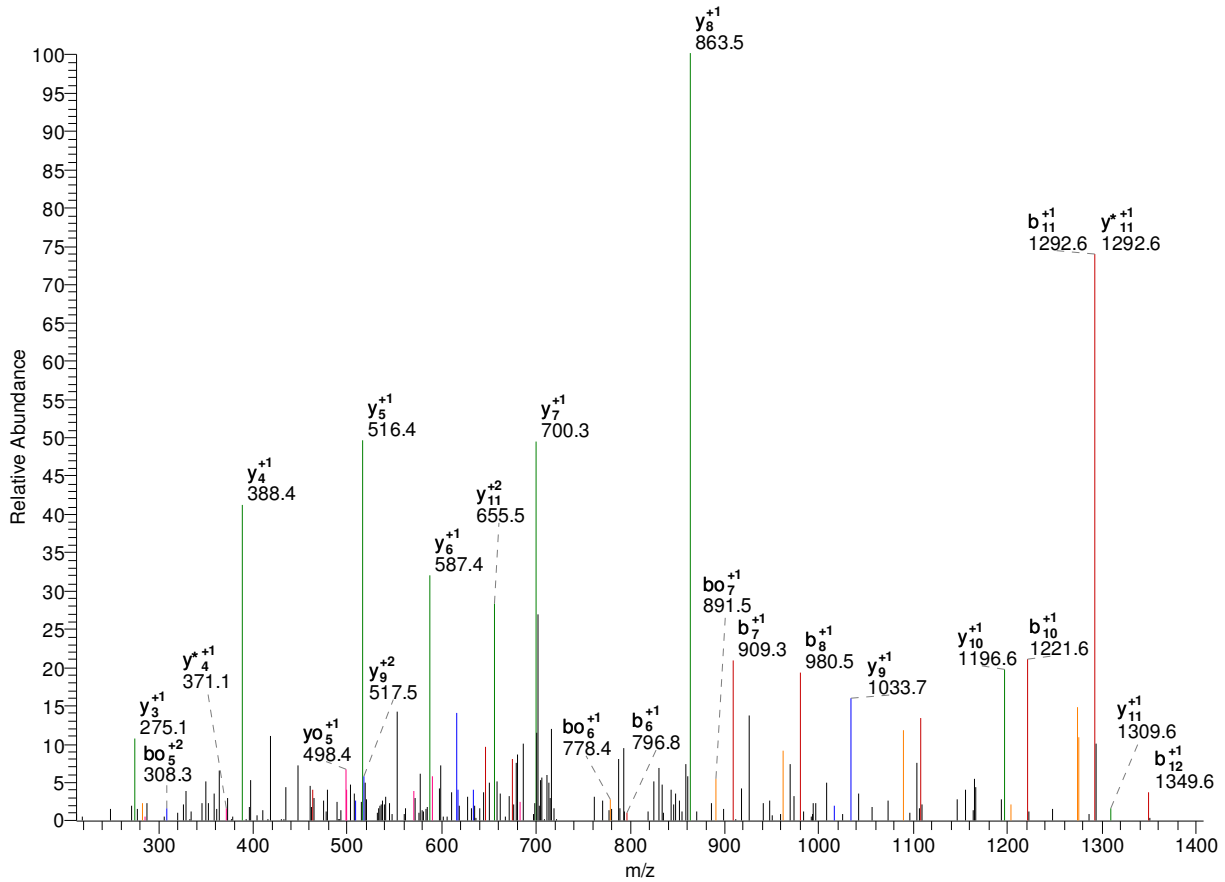
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	16
2	S	187.11	170.08	169.10	1651.83	1634.80	1633.82	15
3	G	244.13	227.10	226.12	1564.80	1547.77	1546.79	14
4	S	331.16	314.13	313.15	1507.78	1490.75	1489.76	13
5	E	460.20	443.18	442.19	1420.74	1403.72	1402.73	12
6	L	573.29	556.26	555.28	1291.70	1274.67	1273.69	11
7	V	672.36	655.33	654.35	1178.62	1161.59	1160.61	10
8	Q	800.41	783.39	782.40	1079.55	1062.52	1061.54	9
9	K*	970.52	953.49	952.51	951.49	934.46	933.48	8
10	Y	1133.58	1116.56	1115.57	781.38	764.36	763.37	7
11	I	1246.67	1229.64	1228.66	618.32	601.29	600.31	6
12	G	1303.69	1286.66	1285.68	505.24	488.21	487.23	5
13	E	1432.73	1415.71	1414.72	448.22	431.19	430.20	4
14	G	1489.75	1472.73	1471.74	319.17	302.15	301.16	3
15	S	1576.79	1559.76	1558.77	262.15	245.12	244.14	2
16	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	16
2	S	94.06	85.54	85.05	826.42	817.90	817.41	15
3	G	122.57	114.05	113.56	782.90	774.39	773.90	14

4	S	166.08	157.57	157.08	754.39	745.88	745.39	13
5	E	230.61	222.09	221.60	710.88	702.36	701.87	12
6	L	287.15	278.63	278.14	646.35	637.84	637.35	11
7	V	336.68	328.17	327.68	589.81	581.30	580.81	10
8	Q	400.71	392.20	391.71	540.28	531.76	531.27	9
9	K*	485.76	477.25	476.76	476.25	467.74	467.24	8
10	Y	567.30	558.78	558.29	391.20	382.68	382.19	7
11	I	623.84	615.32	614.83	309.66	301.15	300.66	6
12	G	652.35	643.83	643.34	253.12	244.61	244.12	5
13	E	716.87	708.36	707.86	224.61	216.10	215.61	4
14	G	745.38	736.87	736.38	160.09	151.58	151.08	3
15	S	788.90	780.38	779.89	131.58	123.07	122.57	2
16	R	-	-	-	88.06	79.55	79.06	1

-

1495.85 K.VSLYK*YLAQLAGK.K
 psu|PF10_0155 | organism=Plasmodium_falciparum_3D7 | product=enolase |
 location=MAL10:637137-639010 133 - 146
 #8203-8203 NL: 9.96E1



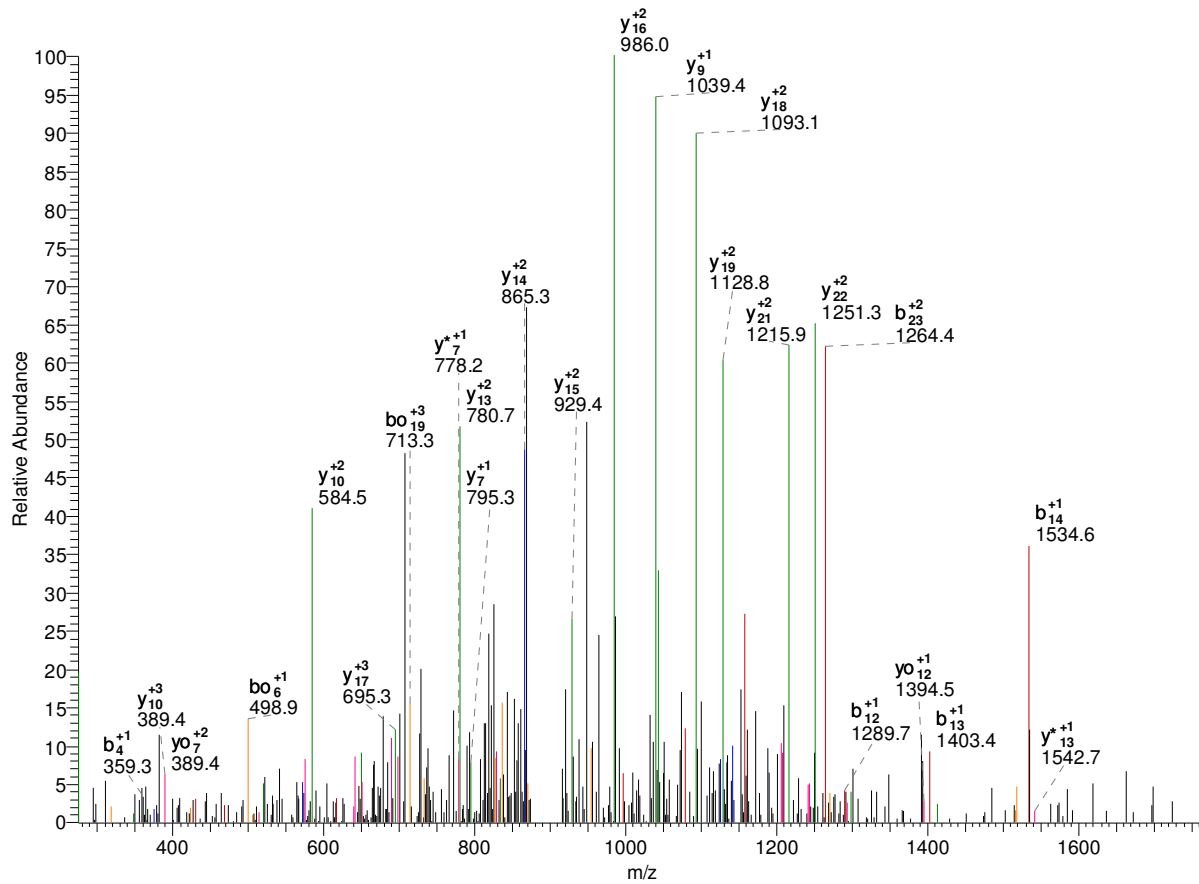
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	13
2	S	187.11	170.08	169.10	1396.78	1379.76	1378.77	12
3	L	300.19	283.17	282.18	1309.75	1292.72	1291.74	11
4	Y	463.26	446.23	445.24	1196.67	1179.64	1178.66	10
5	K*	633.36	616.33	615.35	1033.60	1016.58	1015.59	9
6	Y	796.42	779.40	778.41	863.50	846.47	845.49	8
7	L	909.51	892.48	891.50	700.44	683.41	682.42	7
8	A	980.55	963.52	962.53	587.35	570.32	569.34	6
9	Q	1108.60	1091.58	1090.59	516.31	499.29	498.30	5
10	L	1221.69	1204.66	1203.68	388.26	371.23	370.24	4
11	A	1292.72	1275.70	1274.71	275.17	258.14	257.16	3
12	G	1349.75	1332.72	1331.74	204.13	187.11	186.12	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	13
2	S	94.06	85.54	85.05	698.90	690.38	689.89	12
3	L	150.60	142.09	141.59	655.38	646.87	646.37	11
4	Y	232.13	223.62	223.13	598.84	590.32	589.83	10
5	K*	317.18	308.67	308.18	517.31	508.79	508.30	9
6	Y	398.72	390.20	389.71	432.25	423.74	423.25	8

7	L	455.26	446.74	446.25	350.72	342.21	341.72	7
8	A	490.78	482.26	481.77	294.18	285.67	285.17	6
9	Q	554.81	546.29	545.80	258.66	250.15	249.66	5
10	L	611.35	602.83	602.34	194.63	186.12	185.63	4
11	A	646.87	638.35	637.86	138.09	129.58	129.08	3
12	G	675.38	666.86	666.37	102.57	94.06	93.57	2
13	K	-	-	-	74.06	65.55	65.05	1

-

2701.40 K.VTASSATLLQK*FNMKPF SYGV DVR.T
 psu|PF11_0313 | organism=Plasmodium_falciparum_3D7 | product=ribosomal phosphoprotein
 P0 | location166 - 190
 #9057-9057 NL: 8.26E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	24
2	T	201.12	184.10	183.11	2602.33	2585.31	2584.32	23
3	A	272.16	255.13	254.15	2501.29	2484.26	2483.28	22
4	S	359.19	342.17	341.18	2430.25	2413.22	2412.24	21
5	S	446.22	429.20	428.21	2343.22	2326.19	2325.21	20
6	A	517.26	500.24	499.25	2256.18	2239.16	2238.17	19
7	T	618.31	601.28	600.30	2185.15	2168.12	2167.14	18
8	L	731.39	714.37	713.38	2084.10	2067.07	2066.09	17
9	L	844.48	827.45	826.47	1971.02	1953.99	1953.01	16
10	Q	972.54	955.51	954.53	1857.93	1840.91	1839.92	15
11	K*	1142.64	1125.62	1124.63	1729.87	1712.85	1711.86	14
12	F	1289.71	1272.68	1271.70	1559.77	1542.74	1541.76	13
13	N	1403.75	1386.73	1385.74	1412.70	1395.67	1394.69	12
14	M	1534.79	1517.77	1516.78	1298.66	1281.63	1280.65	11
15	K	1662.89	1645.86	1644.88	1167.62	1150.59	1149.61	10
16	P	1759.94	1742.91	1741.93	1039.52	1022.49	1021.51	9
17	F	1907.01	1889.98	1889.00	942.47	925.44	924.46	8
18	S	1994.04	1977.02	1976.03	795.40	778.37	777.39	7
19	Y	2157.10	2140.08	2139.09	708.37	691.34	690.36	6
20	G	2214.13	2197.10	2196.12	545.30	528.28	527.29	5
21	V	2313.19	2296.17	2295.18	488.28	471.26	470.27	4
22	D	2428.22	2411.20	2410.21	389.21	372.19	371.20	3

23	V	2527.29	2510.26	2509.28	274.19	257.16	256.18	2
24	R	-	-	-	175.12	158.09	157.11	1

-

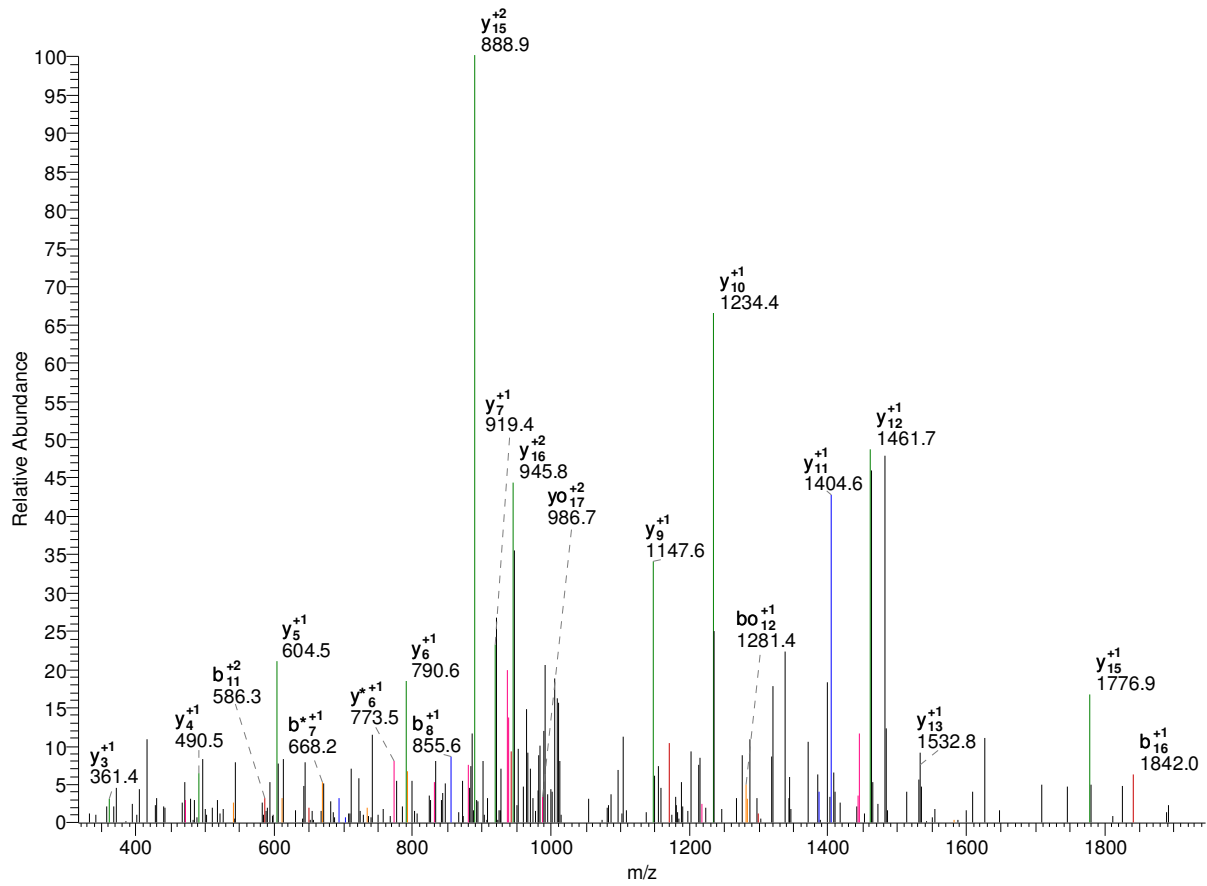
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	24
2	T	101.07	92.55	92.06	1301.67	1293.16	1292.67	23
3	A	136.58	128.07	127.58	1251.15	1242.63	1242.14	22
4	S	180.10	171.59	171.09	1215.63	1207.11	1206.62	21
5	S	223.62	215.10	214.61	1172.11	1163.60	1163.11	20
6	A	259.13	250.62	250.13	1128.60	1120.08	1119.59	19
7	T	309.66	301.15	300.65	1093.08	1084.56	1084.07	18
8	L	366.20	357.69	357.20	1042.55	1034.04	1033.55	17
9	L	422.74	414.23	413.74	986.01	977.50	977.01	16
10	Q	486.77	478.26	477.77	929.47	920.96	920.46	15
11	K*	571.82	563.31	562.82	865.44	856.93	856.43	14
12	F	645.36	636.85	636.35	780.39	771.87	771.38	13
13	N	702.38	693.87	693.37	706.85	698.34	697.85	12
14	M	767.90	759.39	758.90	649.83	641.32	640.83	11
15	K	831.95	823.43	822.94	584.31	575.80	575.31	10
16	P	880.47	871.96	871.47	520.26	511.75	511.26	9
17	F	954.01	945.50	945.00	471.74	463.22	462.73	8
18	S	997.52	989.01	988.52	398.20	389.69	389.20	7
19	Y	1079.06	1070.54	1070.05	354.69	346.17	345.68	6
20	G	1107.57	1099.05	1098.56	273.16	264.64	264.15	5
21	V	1157.10	1148.59	1148.10	244.64	236.13	235.64	4
22	D	1214.61	1206.10	1205.61	195.11	186.60	186.11	3
23	V	1264.15	1255.64	1255.14	137.60	129.08	128.59	2
24	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	V	34.03	28.35	28.03	-	-	-	24
2	T	67.71	62.04	61.71	868.12	862.44	862.11	23
3	A	91.39	85.72	85.39	834.43	828.76	828.43	22
4	S	120.40	114.73	114.40	810.75	805.08	804.75	21
5	S	149.41	143.74	143.41	781.74	776.07	775.74	20
6	A	173.09	167.42	167.09	752.73	747.06	746.73	19
7	T	206.77	201.10	200.77	729.05	723.38	723.05	18
8	L	244.47	238.79	238.47	695.37	689.70	689.37	17
9	L	282.16	276.49	276.16	657.68	652.00	651.67	16
10	Q	324.85	319.17	318.85	619.98	614.31	613.98	15
11	K*	381.55	375.88	375.55	577.30	571.62	571.29	14
12	F	430.57	424.90	424.57	520.59	514.92	514.59	13
13	N	468.59	462.91	462.59	471.57	465.90	465.57	12
14	M	512.27	506.59	506.27	433.56	427.88	427.55	11
15	K	554.97	549.29	548.96	389.88	384.20	383.87	10
16	P	587.32	581.64	581.32	347.18	341.50	341.17	9
17	F	636.34	630.67	630.34	314.83	309.15	308.82	8
18	S	665.35	659.68	659.35	265.80	260.13	259.80	7
19	Y	719.71	714.03	713.70	236.79	231.12	230.79	6
20	G	738.71	733.04	732.71	182.44	176.76	176.44	5
21	V	771.74	766.06	765.73	163.43	157.76	157.43	4
22	D	810.08	804.40	804.08	130.41	124.73	124.41	3
23	V	843.10	837.43	837.10	92.07	86.39	86.06	2
24	R	-	-	-	59.04	53.37	53.04	1

-

2089.06 K.VVNPFAGK*SVEEWNEITK.L
 psu|PF11610c | organism=Plasmodium_falciparum_3D7 | product=calcylin binding protein-like, putative 68 - 86
 #6190-6190 NL:6.15E1



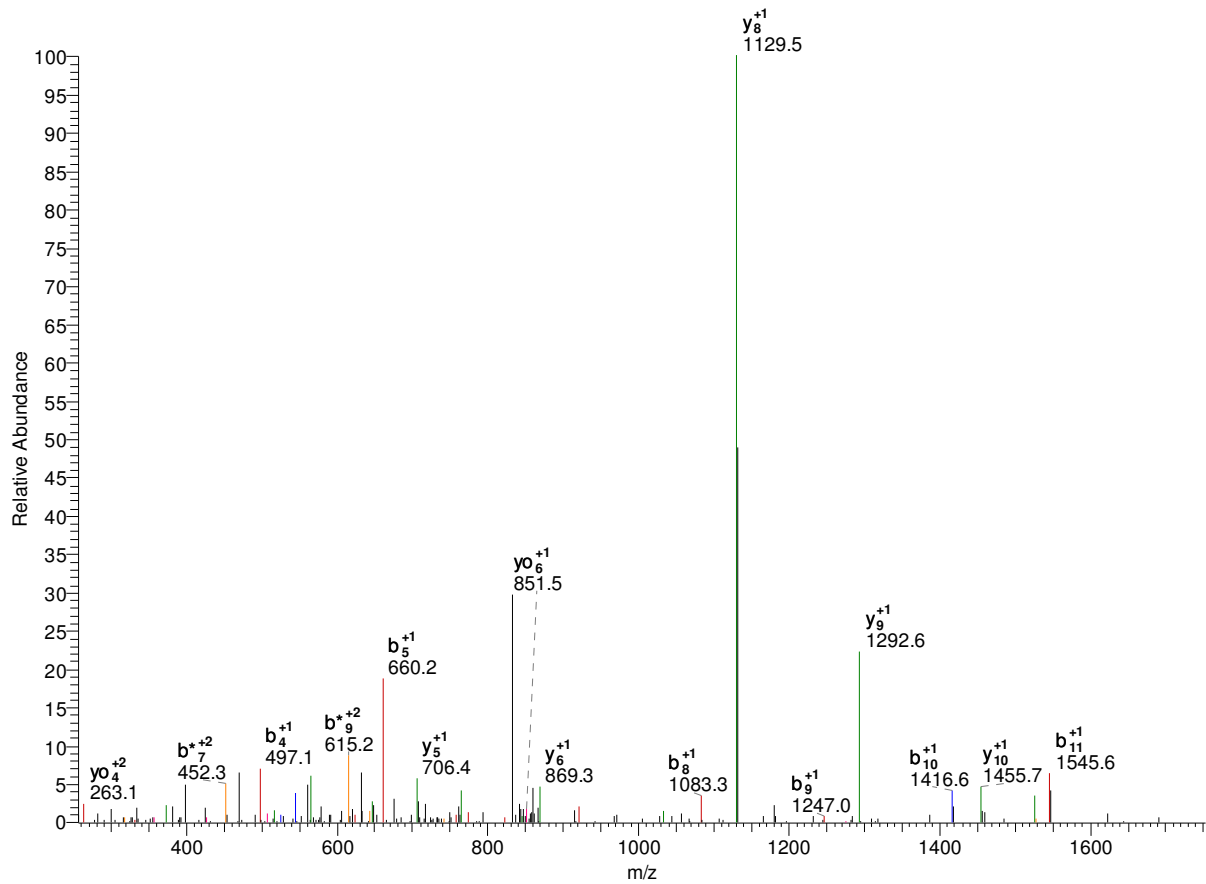
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	18
2	V	199.14	182.12	181.13	1989.99	1972.97	1971.98	17
3	N	313.19	296.16	295.18	1890.92	1873.90	1872.91	16
4	P	410.24	393.21	392.23	1776.88	1759.85	1758.87	15
5	F	557.31	540.28	539.30	1679.83	1662.80	1661.82	14
6	A	628.35	611.32	610.33	1532.76	1515.73	1514.75	13
7	G	685.37	668.34	667.36	1461.72	1444.70	1443.71	12
8	K*	855.47	838.45	837.46	1404.70	1387.67	1386.69	11
9	S	942.50	925.48	924.49	1234.60	1217.57	1216.58	10
10	V	1041.57	1024.55	1023.56	1147.56	1130.54	1129.55	9
11	E	1170.62	1153.59	1152.60	1048.49	1031.47	1030.48	8
12	E	1299.66	1282.63	1281.65	919.45	902.43	901.44	7
13	W	1485.74	1468.71	1467.73	790.41	773.38	772.40	6
14	N	1599.78	1582.75	1581.77	604.33	587.30	586.32	5
15	E	1728.82	1711.80	1710.81	490.29	473.26	472.28	4
16	I	1841.91	1824.88	1823.90	361.24	344.22	343.23	3
17	T	1942.95	1925.93	1924.94	248.16	231.13	230.15	2
18	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	18

2	V	100.08	91.56	91.07	995.50	986.99	986.49	17
3	N	157.10	148.58	148.09	945.97	937.45	936.96	16
4	P	205.62	197.11	196.62	888.94	880.43	879.94	15
5	F	279.16	270.64	270.15	840.42	831.90	831.41	14
6	A	314.68	306.16	305.67	766.88	758.37	757.88	13
7	G	343.19	334.67	334.18	731.36	722.85	722.36	12
8	K*	428.24	419.73	419.23	702.85	694.34	693.85	11
9	S	471.76	463.24	462.75	617.80	609.29	608.80	10
10	V	521.29	512.78	512.28	574.29	565.77	565.28	9
11	E	585.81	577.30	576.81	524.75	516.24	515.75	8
12	E	650.33	641.82	641.33	460.23	451.72	451.22	7
13	W	743.37	734.86	734.37	395.71	387.20	386.70	6
14	N	800.39	791.88	791.39	302.67	294.16	293.66	5
15	E	864.92	856.40	855.91	245.65	237.13	236.64	4
16	I	921.46	912.94	912.45	181.13	172.61	172.12	3
17	T	971.98	963.47	962.98	124.58	116.07	115.58	2
18	K	-	-	-	74.06	65.55	65.05	1

1788.85 K.VYAYYPYYK*EPK.K
 psu|MAL7P1.114 | organism=Plasmodium_falciparum_3D7 | product=P36-like protein
 homologue, putative 142 - 155
 #3787-3787 NL:3.58E2



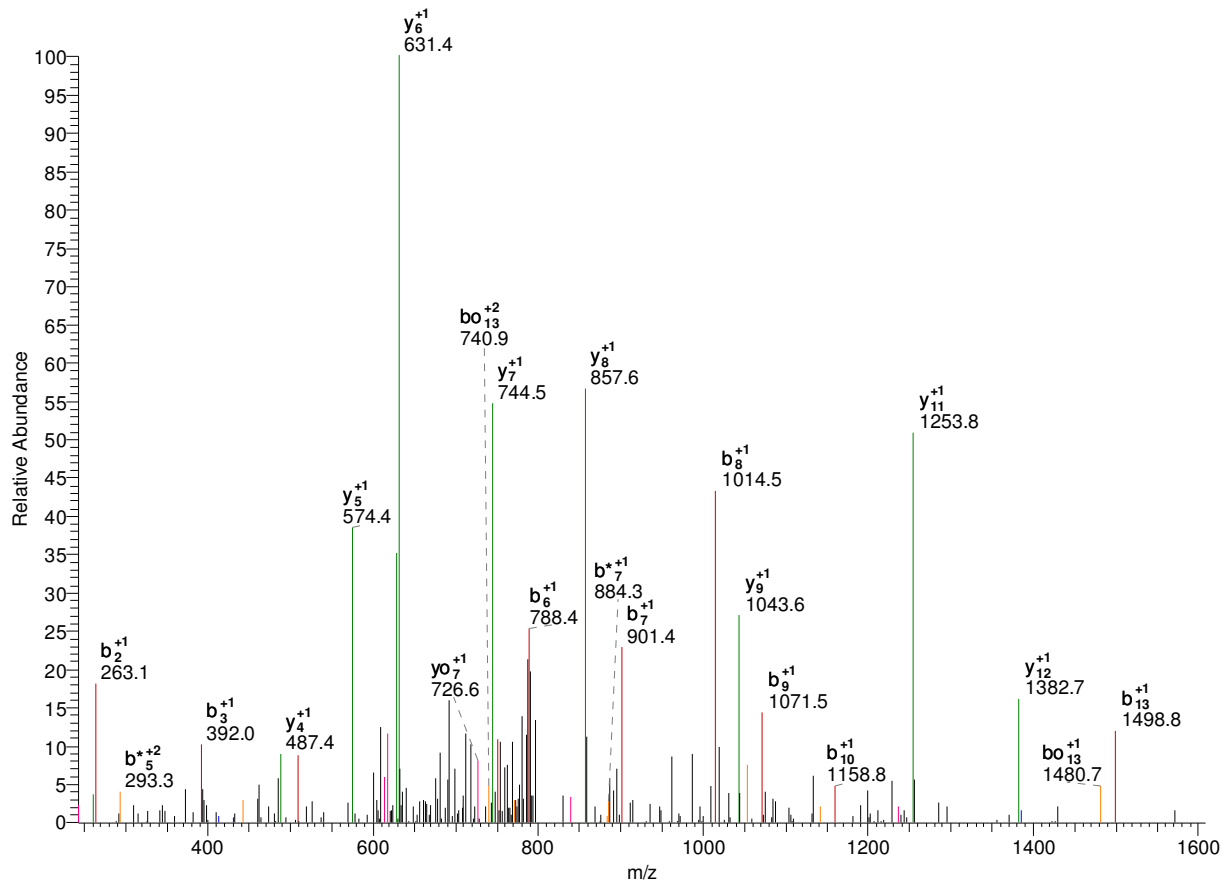
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	13
2	Y	263.14	246.11	245.13	1689.78	1672.76	1671.77	12
3	A	334.18	317.15	316.17	1526.72	1509.69	1508.71	11
4	Y	497.24	480.21	479.23	1455.68	1438.66	1437.67	10
5	Y	660.30	643.28	642.29	1292.62	1275.59	1274.61	9
6	P	757.36	740.33	739.34	1129.56	1112.53	1111.55	8
7	Y	920.42	903.39	902.41	1032.50	1015.48	1014.49	7
8	Y	1083.48	1066.46	1065.47	869.44	852.41	851.43	6
9	Y	1246.55	1229.52	1228.53	706.38	689.35	688.37	5
10	K*	1416.65	1399.62	1398.64	543.31	526.29	525.30	4
11	E	1545.69	1528.67	1527.68	373.21	356.18	355.20	3
12	P	1642.75	1625.72	1624.74	244.17	227.14	226.16	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	13
2	Y	132.07	123.56	123.07	845.40	836.88	836.39	12
3	A	167.59	159.08	158.59	763.86	755.35	754.86	11
4	Y	249.12	240.61	240.12	728.35	719.83	719.34	10
5	Y	330.66	322.14	321.65	646.81	638.30	637.81	9
6	P	379.18	370.67	370.18	565.28	556.77	556.28	8

7	Y	460.71	452.20	451.71	516.76	508.24	507.75	7
8	Y	542.24	533.73	533.24	435.22	426.71	426.22	6
9	Y	623.78	615.26	614.77	353.69	345.18	344.69	5
10	K*	708.83	700.32	699.82	272.16	263.65	263.16	4
11	E	773.35	764.84	764.35	187.11	178.59	178.10	3
12	P	821.88	813.36	812.87	122.59	114.07	113.58	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1644.94 K.VYEPLWLIGSGK*LK.N
 psu|PF08_0076 | organism=Plasmodium_falciparum_3D7 | product=40S ribosomal protein
 S16, putative | 48 - 62
 #7667-7667 NL:9.17E1



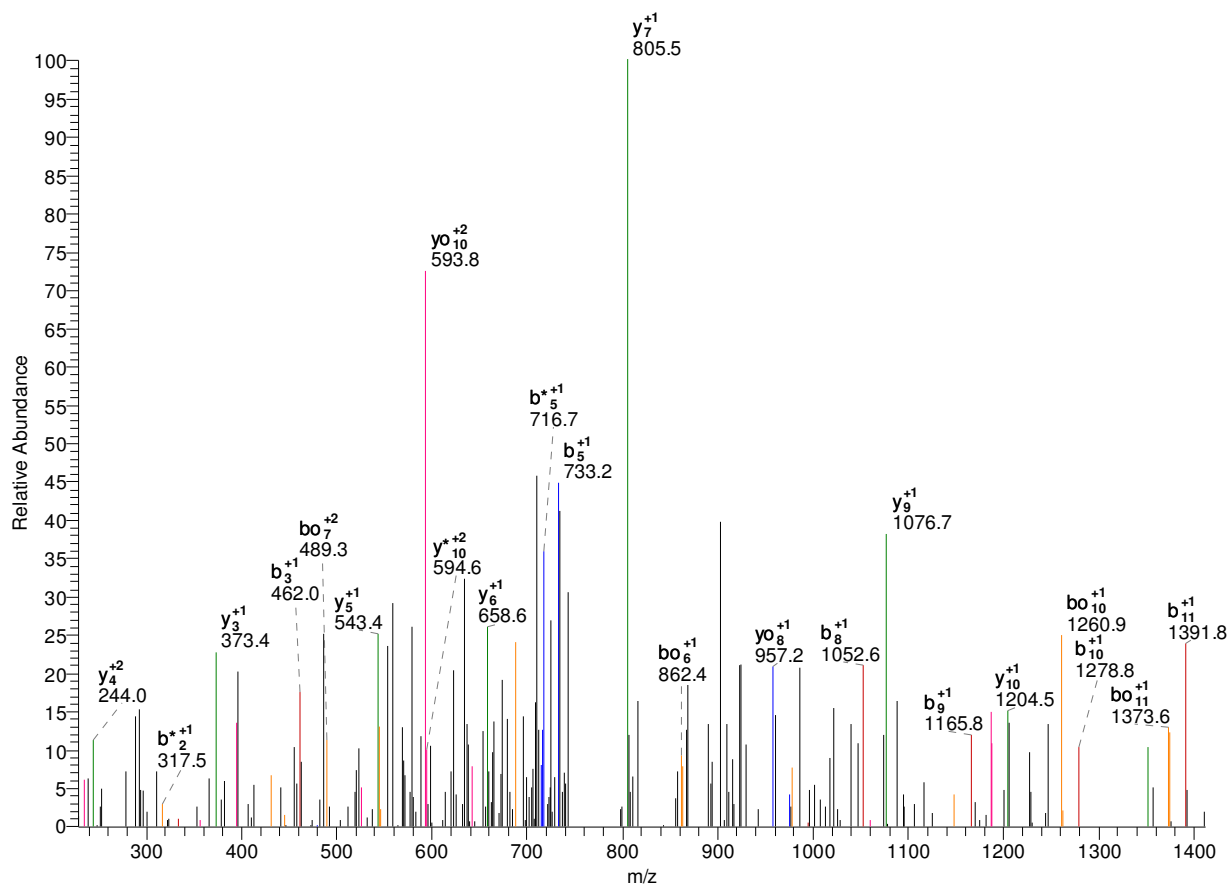
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	14
2	Y	263.14	246.11	245.13	1545.87	1528.84	1527.86	13
3	E	392.18	375.16	374.17	1382.80	1365.78	1364.79	12
4	P	489.23	472.21	471.22	1253.76	1236.74	1235.75	11
5	L	602.32	585.29	584.31	1156.71	1139.68	1138.70	10
6	W	788.40	771.37	770.39	1043.62	1026.60	1025.61	9
7	L	901.48	884.46	883.47	857.55	840.52	839.53	8
8	I	1014.57	997.54	996.56	744.46	727.43	726.45	7
9	G	1071.59	1054.56	1053.58	631.38	614.35	613.37	6
10	S	1158.62	1141.59	1140.61	574.36	557.33	556.35	5
11	G	1215.64	1198.61	1197.63	487.32	470.30	469.31	4
12	K*	1385.75	1368.72	1367.74	430.30	413.28	412.29	3
13	L	1498.83	1481.80	1480.82	260.20	243.17	242.19	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	14
2	Y	132.07	123.56	123.07	773.44	764.92	764.43	13
3	E	196.59	188.08	187.59	691.91	683.39	682.90	12
4	P	245.12	236.61	236.12	627.38	618.87	618.38	11
5	L	301.66	293.15	292.66	578.86	570.34	569.85	10

6	W	394.70	386.19	385.70	522.32	513.80	513.31	9
7	L	451.24	442.73	442.24	429.28	420.76	420.27	8
8	I	507.79	499.27	498.78	372.73	364.22	363.73	7
9	G	536.30	527.78	527.29	316.19	307.68	307.19	6
10	S	579.81	571.30	570.81	287.68	279.17	278.68	5
11	G	608.32	599.81	599.32	244.17	235.65	235.16	4
12	K*	693.38	684.86	684.37	215.65	207.14	206.65	3
13	L	749.92	741.41	740.91	130.60	122.09	121.60	2
14	K	-	-	-	74.06	65.55	65.05	1

—

1537.84 K.WFQTK*FDGILLK
 psu|PF07_0079 | organism=Plasmodium_falciparum_3D7 | product=60S ribosomal protein
 L11a, putative | 161 - 172
 #7786-7786 NL: 3.56E1



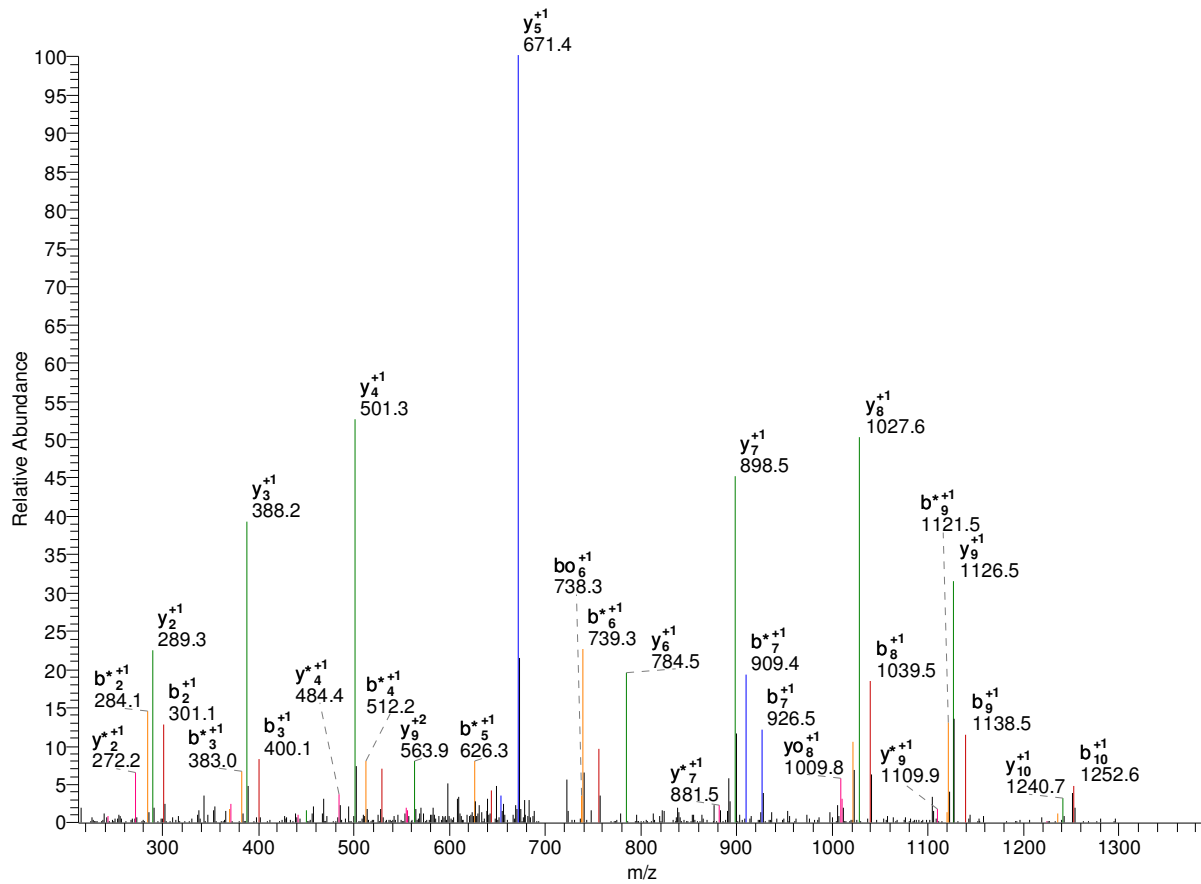
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	W	187.09	170.06	169.08	-	-	-	12
2	F	334.16	317.13	316.14	1351.76	1334.74	1333.75	11
3	Q	462.21	445.19	444.20	1204.69	1187.67	1186.68	10
4	T	563.26	546.23	545.25	1076.64	1059.61	1058.62	9
5	K*	733.37	716.34	715.36	975.59	958.56	957.58	8
6	F	880.44	863.41	862.42	805.48	788.46	787.47	7
7	D	995.46	978.44	977.45	658.41	641.39	640.40	6
8	G	1052.48	1035.46	1034.47	543.39	526.36	525.38	5
9	I	1165.57	1148.54	1147.56	486.36	469.34	468.35	4
10	L	1278.65	1261.63	1260.64	373.28	356.25	355.27	3
11	L	1391.74	1374.71	1373.73	260.20	243.17	242.19	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	W	94.05	85.53	85.04	-	-	-	12
2	F	167.58	159.07	158.58	676.38	667.87	667.38	11
3	Q	231.61	223.10	222.61	602.85	594.34	593.85	10
4	T	282.13	273.62	273.13	538.82	530.31	529.82	9
5	K*	367.19	358.67	358.18	488.30	479.78	479.29	8
6	F	440.72	432.21	431.72	403.24	394.73	394.24	7
7	D	498.23	489.72	489.23	329.71	321.20	320.71	6

8	G	526.75	518.23	517.74	272.20	263.68	263.19	5
9	I	583.29	574.77	574.28	243.69	235.17	234.68	4
10	L	639.83	631.32	630.82	187.14	178.63	178.14	3
11	L	696.37	687.86	687.37	130.60	122.09	121.60	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1426.78 K.WNVENIK*IVNR.F
 psu|PF13_0179 | organism=Plasmodium_falciparum_3D7 | product=isoleucine--tRNA ligase,
 putative | lo443 - 454
 #4687-4687 NL: 8.10E2



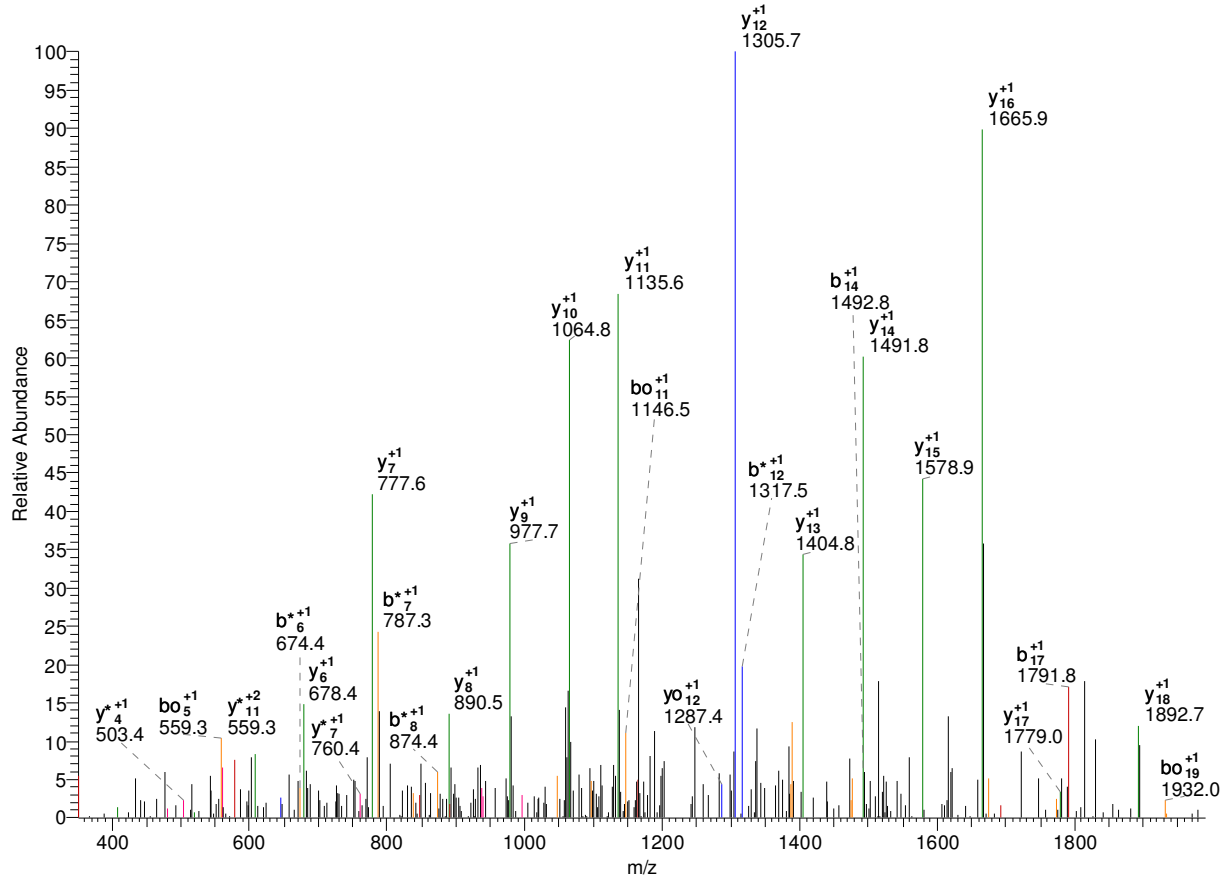
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	W	187.09	170.06	169.08	-	-	-	11
2	N	301.13	284.10	283.12	1240.70	1223.67	1222.69	10
3	V	400.20	383.17	382.19	1126.66	1109.63	1108.65	9
4	E	529.24	512.21	511.23	1027.59	1010.56	1009.58	8
5	N	643.28	626.26	625.27	898.55	881.52	880.54	7
6	I	756.37	739.34	738.36	784.50	767.48	766.49	6
7	K*	926.47	909.45	908.46	671.42	654.39	653.41	5
8	I	1039.56	1022.53	1021.55	501.31	484.29	483.30	4
9	V	1138.63	1121.60	1120.61	388.23	371.20	370.22	3
10	N	1252.67	1235.64	1234.66	289.16	272.14	271.15	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	W	94.05	85.53	85.04	-	-	-	11
2	N	151.07	142.56	142.06	620.85	612.34	611.85	10
3	V	200.60	192.09	191.60	563.83	555.32	554.83	9
4	E	265.12	256.61	256.12	514.30	505.79	505.29	8
5	N	322.15	313.63	313.14	449.78	441.26	440.77	7
6	I	378.69	370.17	369.68	392.76	384.24	383.75	6
7	K*	463.74	455.23	454.73	336.21	327.70	327.21	5
8	I	520.28	511.77	511.28	251.16	242.65	242.16	4

9	V	569.82	561.30	560.81	194.62	186.11	185.61	3
10	N	626.84	618.32	617.83	145.08	136.57	136.08	2
11	R	-	-	-	88.06	79.55	79.06	1

-

2469.32 K.YADINNISSSVK*ASSIVASLFLK.E
 psu|PF14_0439 | organism=Plasmodium_falciparum_3D7 | product=leucine aminopeptidase,
 putative | loc 540 - 563
 #8423-8423 NL: 7.86E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	23
2	A	235.11	218.08	217.10	2306.26	2289.23	2288.25	22
3	D	350.13	333.11	332.12	2235.22	2218.20	2217.21	21
4	I	463.22	446.19	445.21	2120.20	2103.17	2102.19	20
5	N	577.26	560.24	559.25	2007.11	1990.09	1989.10	19
6	N	691.30	674.28	673.29	1893.07	1876.04	1875.06	18
7	I	804.39	787.36	786.38	1779.03	1762.00	1761.02	17
8	S	891.42	874.39	873.41	1665.94	1648.92	1647.93	16
9	S	978.45	961.43	960.44	1578.91	1561.88	1560.90	15
10	S	1065.48	1048.46	1047.47	1491.88	1474.85	1473.87	14
11	V	1164.55	1147.53	1146.54	1404.85	1387.82	1386.84	13
12	K*	1334.66	1317.63	1316.65	1305.78	1288.75	1287.77	12
13	A	1405.70	1388.67	1387.69	1135.67	1118.65	1117.66	11
14	S	1492.73	1475.70	1474.72	1064.64	1047.61	1046.62	10
15	S	1579.76	1562.73	1561.75	977.60	960.58	959.59	9
16	I	1692.84	1675.82	1674.83	890.57	873.54	872.56	8
17	V	1791.91	1774.89	1773.90	777.49	760.46	759.48	7
18	A	1862.95	1845.92	1844.94	678.42	661.39	660.41	6
19	S	1949.98	1932.95	1931.97	607.38	590.35	589.37	5
20	L	2063.07	2046.04	2045.05	520.35	503.32	502.34	4
21	F	2210.13	2193.11	2192.12	407.27	390.24	389.25	3
22	L	2323.22	2306.19	2305.21	260.20	243.17	242.19	2

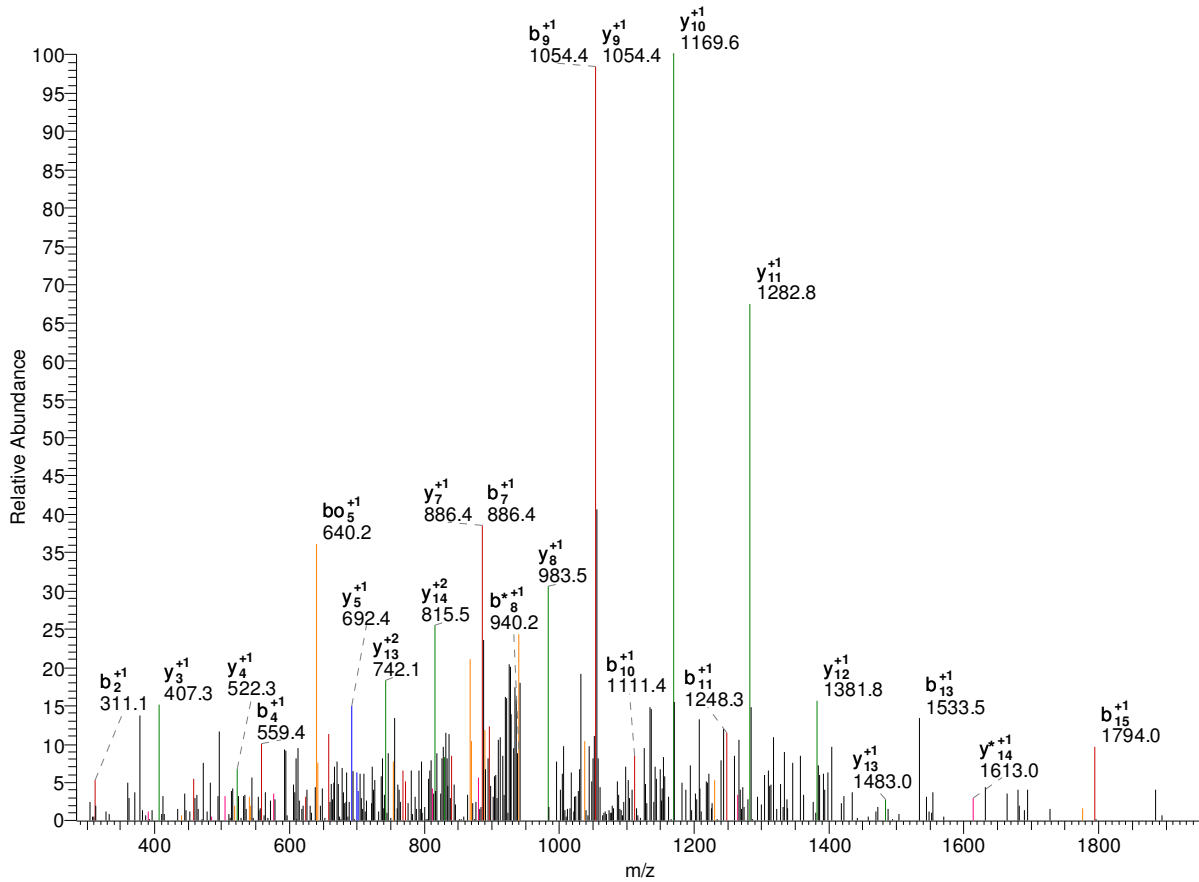
23	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	23
2	A	118.06	109.54	109.05	1153.63	1145.12	1144.63	22
3	D	175.57	167.06	166.57	1118.12	1109.60	1109.11	21
4	I	232.11	223.60	223.11	1060.60	1052.09	1051.60	20
5	N	289.13	280.62	280.13	1004.06	995.55	995.05	19
6	N	346.16	337.64	337.15	947.04	938.52	938.03	18
7	I	402.70	394.18	393.69	890.02	881.50	881.01	17
8	S	446.21	437.70	437.21	833.47	824.96	824.47	16
9	S	489.73	481.22	480.72	789.96	781.45	780.95	15
10	S	533.25	524.73	524.24	746.44	737.93	737.44	14
11	V	582.78	574.27	573.77	702.93	694.41	693.92	13
12	K*	667.83	659.32	658.83	653.39	644.88	644.39	12
13	A	703.35	694.84	694.35	568.34	559.83	559.33	11
14	S	746.87	738.35	737.86	532.82	524.31	523.82	10
15	S	790.38	781.87	781.38	489.31	480.79	480.30	9
16	I	846.93	838.41	837.92	445.79	437.28	436.78	8
17	V	896.46	887.95	887.45	389.25	380.73	380.24	7
18	A	931.98	923.47	922.97	339.71	331.20	330.71	6
19	S	975.49	966.98	966.49	304.19	295.68	295.19	5
20	L	1032.04	1023.52	1023.03	260.68	252.17	251.67	4
21	F	1105.57	1097.06	1096.57	204.14	195.62	195.13	3
22	L	1162.11	1153.60	1153.11	130.60	122.09	121.60	2
23	K	-	-	-	74.06	65.55	65.05	1

-

1940.00 R.YFFTVIDAPGHK*DFIK.N
 psu|PF13_0305 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1 alpha
 | location=M 84 - 100
 #7544-7544 NL:9.82E1



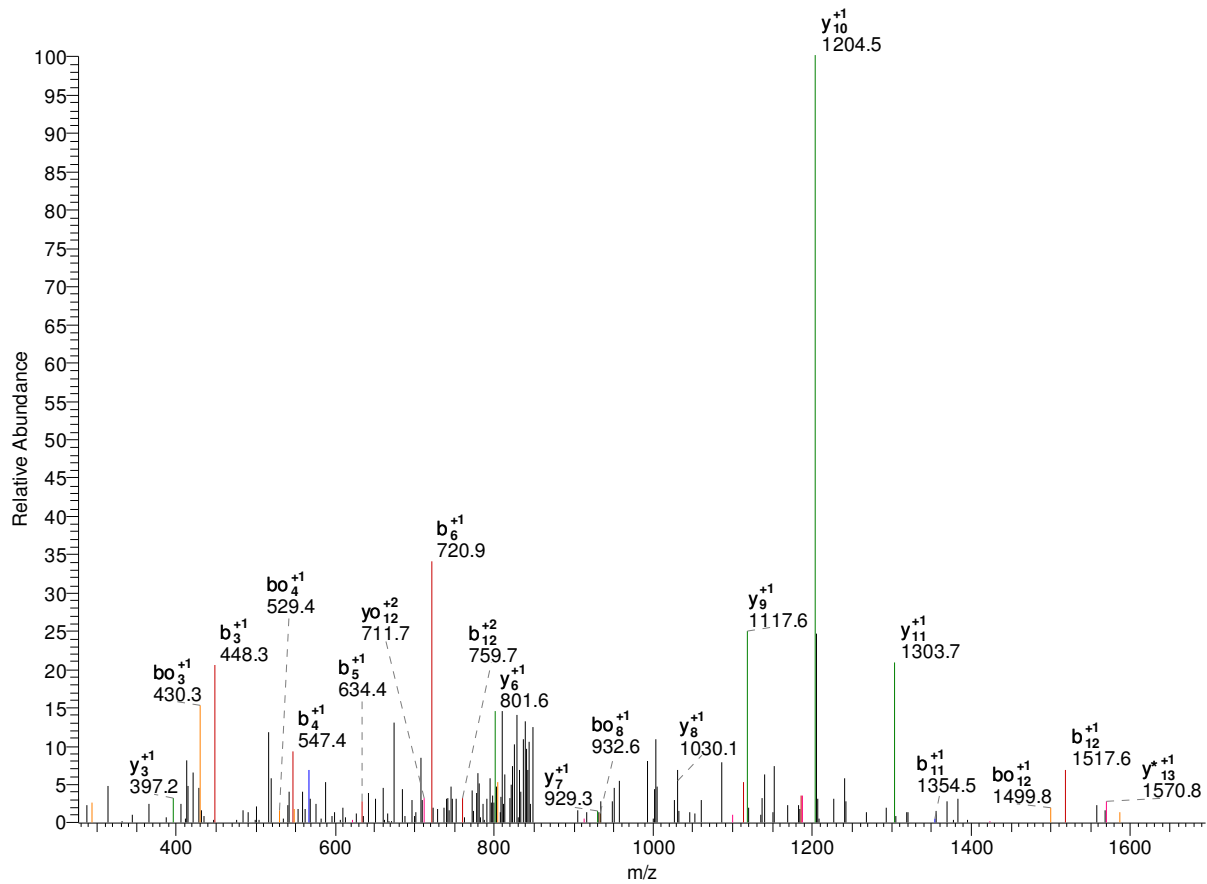
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	16
2	F	311.14	294.11	293.13	1776.93	1759.91	1758.92	15
3	F	458.21	441.18	440.20	1629.86	1612.84	1611.85	14
4	T	559.26	542.23	541.24	1482.80	1465.77	1464.78	13
5	V	658.32	641.30	640.31	1381.75	1364.72	1363.74	12
6	I	771.41	754.38	753.40	1282.68	1265.65	1264.67	11
7	D	886.43	869.41	868.42	1169.59	1152.57	1151.58	10
8	A	957.47	940.45	939.46	1054.57	1037.54	1036.56	9
9	P	1054.52	1037.50	1036.51	983.53	966.50	965.52	8
10	G	1111.55	1094.52	1093.54	886.48	869.45	868.47	7
11	H	1248.60	1231.58	1230.59	829.46	812.43	811.45	6
12	K*	1418.71	1401.68	1400.70	692.40	675.37	674.39	5
13	D	1533.74	1516.71	1515.73	522.29	505.27	504.28	4
14	F	1680.81	1663.78	1662.80	407.27	390.24	389.25	3
15	I	1793.89	1776.86	1775.88	260.20	243.17	242.19	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	16
2	F	156.07	147.56	147.07	888.97	880.46	879.96	15
3	F	229.61	221.09	220.60	815.44	806.92	806.43	14

4	T	280.13	271.62	271.13	741.90	733.39	732.90	13
5	V	329.67	321.15	320.66	691.38	682.86	682.37	12
6	I	386.21	377.69	377.20	641.84	633.33	632.84	11
7	D	443.72	435.21	434.72	585.30	576.79	576.30	10
8	A	479.24	470.73	470.23	527.79	519.27	518.78	9
9	P	527.77	519.25	518.76	492.27	483.76	483.26	8
10	G	556.28	547.76	547.27	443.74	435.23	434.74	7
11	H	624.81	616.29	615.80	415.23	406.72	406.23	6
12	K*	709.86	701.35	700.85	346.70	338.19	337.70	5
13	D	767.37	758.86	758.37	261.65	253.14	252.64	4
14	F	840.91	832.39	831.90	204.14	195.62	195.13	3
15	I	897.45	888.94	888.44	130.60	122.09	121.60	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1750.84 K.YFHVSTQYAK*YSK.M
 psu|PF13_0257 | organism=Plasmodium_falciparum_3D7 | product=glutamate--tRNA ligase |
 location=MAL1216 - 230
 #2975-2975 NL: 1.14E2



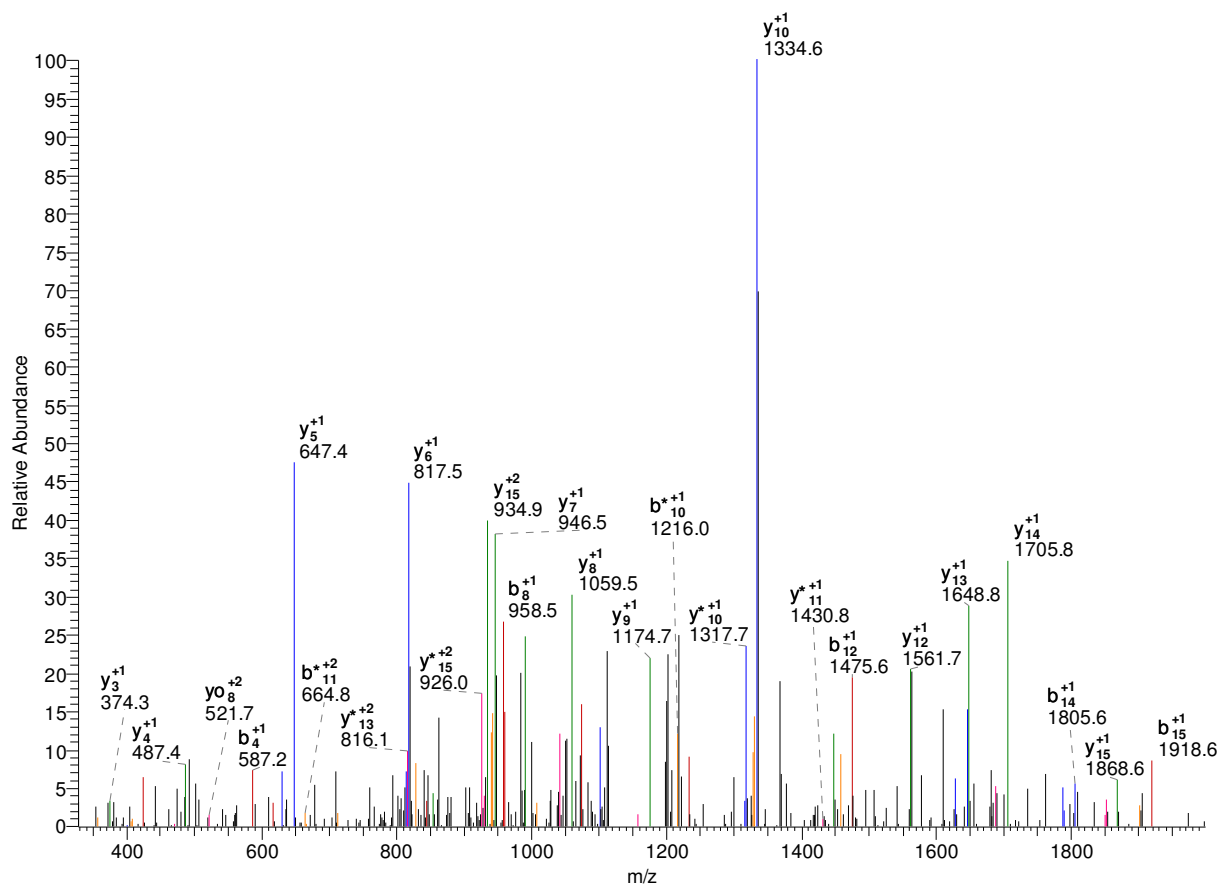
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	14
2	F	311.14	294.11	293.13	1587.78	1570.75	1569.77	13
3	H	448.20	431.17	430.19	1440.71	1423.69	1422.70	12
4	V	547.27	530.24	529.26	1303.65	1286.63	1285.64	11
5	S	634.30	617.27	616.29	1204.58	1187.56	1186.57	10
6	S	721.33	704.30	703.32	1117.55	1100.53	1099.54	9
7	T	822.38	805.35	804.37	1030.52	1013.49	1012.51	8
8	Q	950.44	933.41	932.43	929.47	912.45	911.46	7
9	Y	1113.50	1096.47	1095.49	801.41	784.39	783.40	6
10	A	1184.54	1167.51	1166.53	638.35	621.32	620.34	5
11	K*	1354.64	1337.62	1336.63	567.31	550.29	549.30	4
12	Y	1517.71	1500.68	1499.70	397.21	380.18	379.20	3
13	S	1604.74	1587.71	1586.73	234.14	217.12	216.13	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	14
2	F	156.07	147.56	147.07	794.39	785.88	785.39	13
3	H	224.60	216.09	215.60	720.86	712.35	711.85	12
4	V	274.14	265.62	265.13	652.33	643.82	643.32	11
5	S	317.65	309.14	308.65	602.80	594.28	593.79	10

6	S	361.17	352.66	352.16	559.28	550.77	550.27	9
7	T	411.69	403.18	402.69	515.76	507.25	506.76	8
8	Q	475.72	467.21	466.72	465.24	456.73	456.23	7
9	Y	557.25	548.74	548.25	401.21	392.70	392.21	6
10	A	592.77	584.26	583.77	319.68	311.17	310.67	5
11	K*	677.82	669.31	668.82	284.16	275.65	275.16	4
12	Y	759.36	750.84	750.35	199.11	190.59	190.10	3
13	S	802.87	794.36	793.87	117.58	109.06	108.57	2
14	K	-	-	-	74.06	65.55	65.05	1

—

2292.10 K.YFIYGSNIC@DLEK*C@LNLK.K
 psu|PF11_0189 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL11: 557 - 575
 #8082-8082 NL: 1.07E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	18
2	F	311.14	294.11	293.13	2129.04	2112.01	2111.03	17
3	I	424.22	407.20	406.21	1981.97	1964.95	1963.96	16
4	Y	587.29	570.26	569.28	1868.89	1851.86	1850.88	15
5	G	644.31	627.28	626.30	1705.82	1688.80	1687.81	14
6	S	731.34	714.31	713.33	1648.80	1631.78	1630.79	13
7	N	845.38	828.36	827.37	1561.77	1544.74	1543.76	12
8	I	958.47	941.44	940.46	1447.73	1430.70	1429.72	11
9	C@	1118.50	1101.47	1100.49	1334.64	1317.62	1316.63	10
10	D	1233.52	1216.50	1215.51	1174.61	1157.59	1156.60	9
11	L	1346.61	1329.58	1328.60	1059.59	1042.56	1041.58	8
12	E	1475.65	1458.62	1457.64	946.50	929.48	928.49	7
13	K*	1645.76	1628.73	1627.75	817.46	800.43	799.45	6
14	C@	1805.79	1788.76	1787.78	647.35	630.33	629.34	5
15	L	1918.87	1901.84	1900.86	487.32	470.30	469.31	4
16	N	2032.91	2015.89	2014.90	374.24	357.21	356.23	3
17	L	2146.00	2128.97	2127.99	260.20	243.17	242.19	2
18	K	-	-	-	147.11	130.09	129.10	1

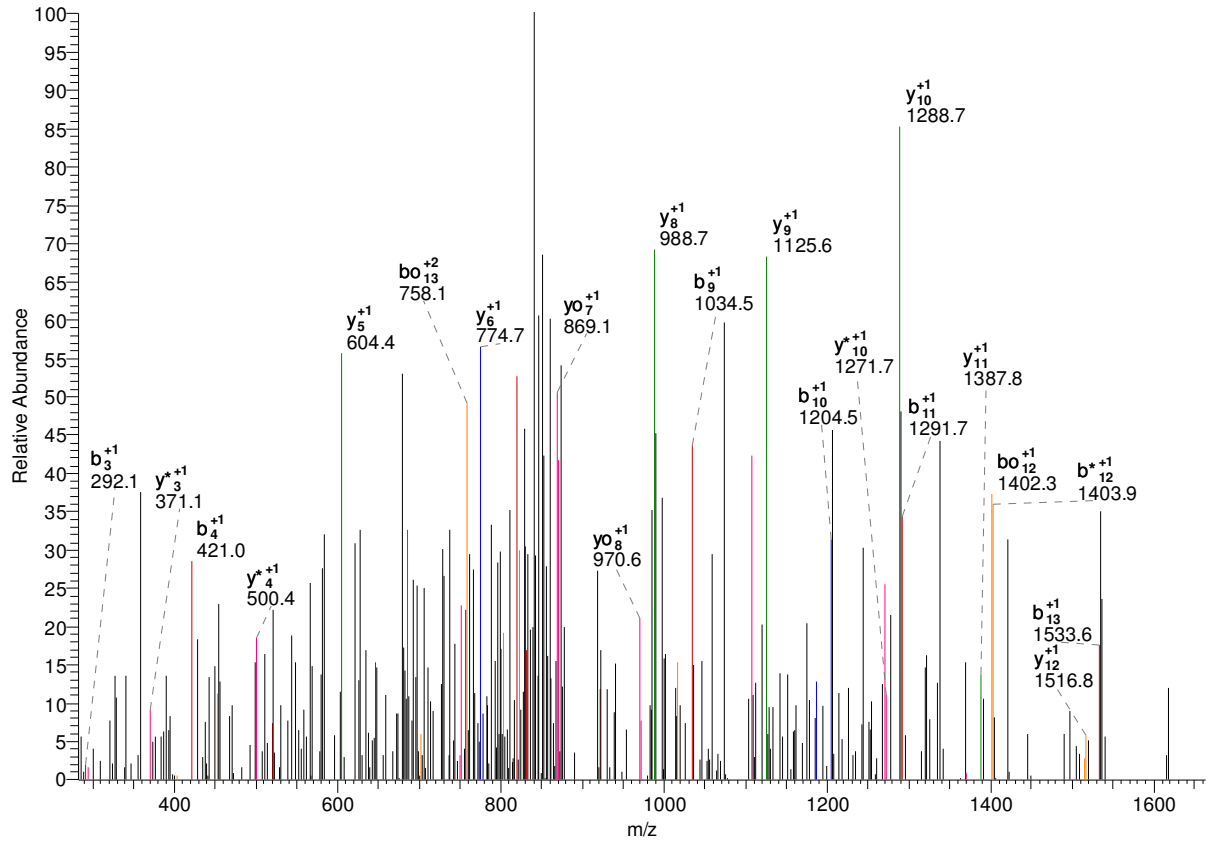
-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	18

2	F	156.07	147.56	147.07	1065.02	1056.51	1056.02	17
3	I	212.62	204.10	203.61	991.49	982.98	982.48	16
4	Y	294.15	285.63	285.14	934.95	926.43	925.94	15
5	G	322.66	314.14	313.65	853.42	844.90	844.41	14
6	S	366.17	357.66	357.17	824.91	816.39	815.90	13
7	N	423.20	414.68	414.19	781.39	772.88	772.38	12
8	I	479.74	471.22	470.73	724.37	715.85	715.36	11
9	C@	559.75	551.24	550.75	667.83	659.31	658.82	10
10	D	617.27	608.75	608.26	587.81	579.30	578.81	9
11	L	673.81	665.29	664.80	530.30	521.78	521.29	8
12	E	738.33	729.82	729.32	473.75	465.24	464.75	7
13	K*	823.38	814.87	814.38	409.23	400.72	400.23	6
14	C@	903.40	894.88	894.39	324.18	315.67	315.18	5
15	L	959.94	951.43	950.93	244.17	235.65	235.16	4
16	N	1016.96	1008.45	1007.96	187.62	179.11	178.62	3
17	L	1073.50	1064.99	1064.50	130.60	122.09	121.60	2
18	K	-	-	-	74.06	65.55	65.05	1

—

1807.96 R.YGAEVYHTLK*SEIKK.K
 psu|PF10_0155 | organism=Plasmodium_falciparum_3D7 | product=enolase |
 location=MAL10:637137-639010 191 - 206
 #4679-4679 NL:2.95E1



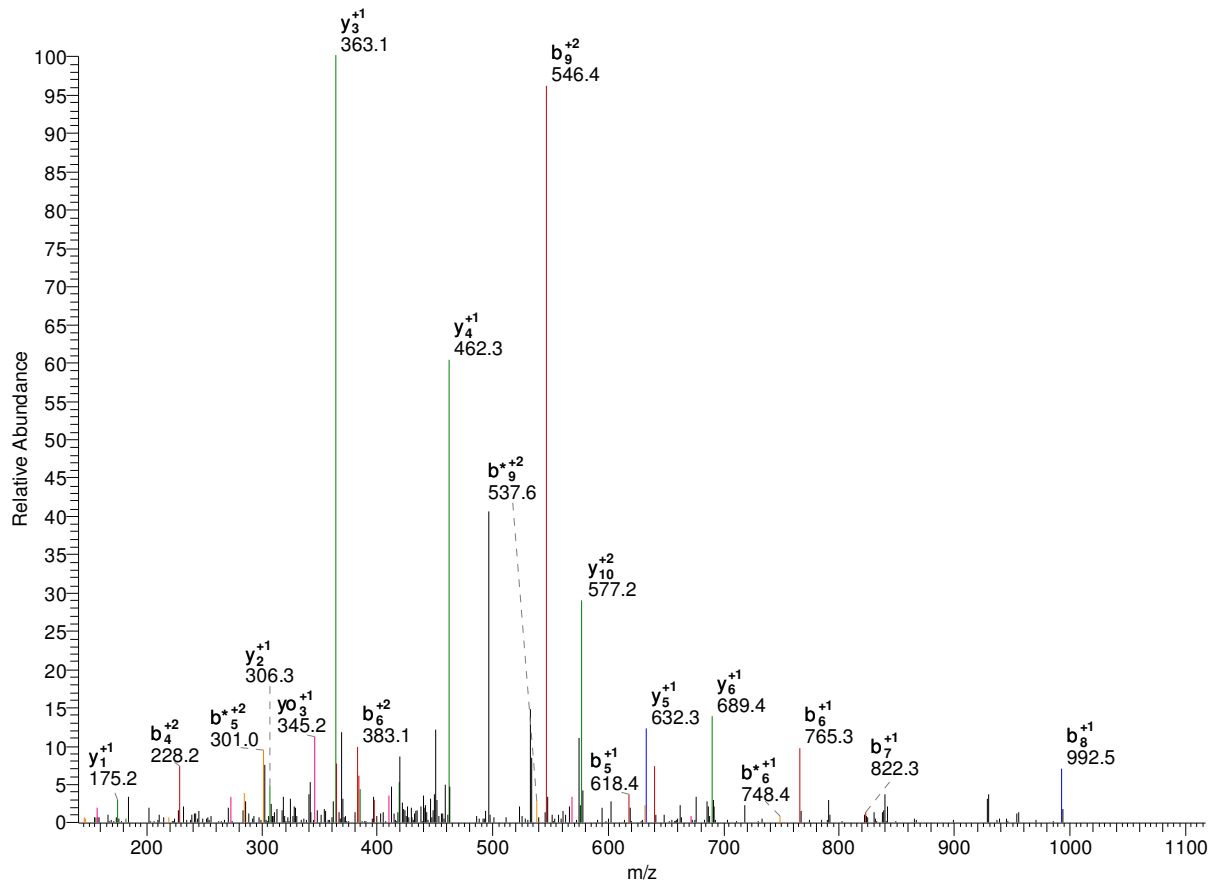
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	15
2	G	221.09	204.07	203.08	1644.90	1627.87	1626.88	14
3	A	292.13	275.10	274.12	1587.87	1570.85	1569.86	13
4	E	421.17	404.15	403.16	1516.84	1499.81	1498.83	12
5	V	520.24	503.21	502.23	1387.79	1370.77	1369.78	11
6	Y	683.30	666.28	665.29	1288.73	1271.70	1270.72	10
7	H	820.36	803.34	802.35	1125.66	1108.64	1107.65	9
8	T	921.41	904.38	903.40	988.60	971.58	970.59	8
9	L	1034.49	1017.47	1016.48	887.56	870.53	869.55	7
10	K*	1204.60	1187.57	1186.59	774.47	757.45	756.46	6
11	S	1291.63	1274.61	1273.62	604.37	587.34	586.36	5
12	E	1420.67	1403.65	1402.66	517.33	500.31	499.32	4
13	I	1533.76	1516.73	1515.75	388.29	371.27	370.28	3
14	K	1661.85	1644.83	1643.84	275.21	258.18	257.20	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	15
2	G	111.05	102.54	102.04	822.95	814.44	813.95	14
3	A	146.57	138.05	137.56	794.44	785.93	785.44	13
4	E	211.09	202.58	202.08	758.92	750.41	749.92	12

5	V	260.62	252.11	251.62	694.40	685.89	685.40	11
6	Y	342.16	333.64	333.15	644.87	636.35	635.86	10
7	H	410.68	402.17	401.68	563.33	554.82	554.33	9
8	T	461.21	452.70	452.20	494.81	486.29	485.80	8
9	L	517.75	509.24	508.75	444.28	435.77	435.28	7
10	K*	602.80	594.29	593.80	387.74	379.23	378.73	6
11	S	646.32	637.81	637.31	302.69	294.17	293.68	5
12	E	710.84	702.33	701.84	259.17	250.66	250.17	4
13	I	767.38	758.87	758.38	194.65	186.14	185.64	3
14	K	831.43	822.92	822.43	138.11	129.59	129.10	2
15	K	-	-	-	74.06	65.55	65.05	1

—

1453.70 K.YHPGYFGK*VGMR.H
 psu|PFF0885w | organism=Plasmodium_falciparum_3D7 | product=60S ribosomal protein
 L27a, putative | 47 - 59
 #3549-3549 NL: 3.62E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	12
2	H	301.13	284.10	283.12	1290.64	1273.61	1272.63	11
3	P	398.18	381.16	380.17	1153.58	1136.56	1135.57	10
4	G	455.20	438.18	437.19	1056.53	1039.50	1038.52	9
5	Y	618.27	601.24	600.26	999.51	982.48	981.50	8
6	F	765.34	748.31	747.32	836.44	819.42	818.43	7
7	G	822.36	805.33	804.35	689.38	672.35	671.37	6
8	K*	992.46	975.44	974.45	632.35	615.33	614.34	5
9	V	1091.53	1074.50	1073.52	462.25	445.22	444.24	4
10	G	1148.55	1131.53	1130.54	363.18	346.15	345.17	3
11	M	1279.59	1262.57	1261.58	306.16	289.13	288.15	2
12	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	12
2	H	151.07	142.56	142.06	645.82	637.31	636.82	11
3	P	199.59	191.08	190.59	577.29	568.78	568.29	10
4	G	228.11	219.59	219.10	528.77	520.26	519.76	9
5	Y	309.64	301.12	300.63	500.26	491.74	491.25	8
6	F	383.17	374.66	374.17	418.73	410.21	409.72	7
7	G	411.68	403.17	402.68	345.19	336.68	336.19	6

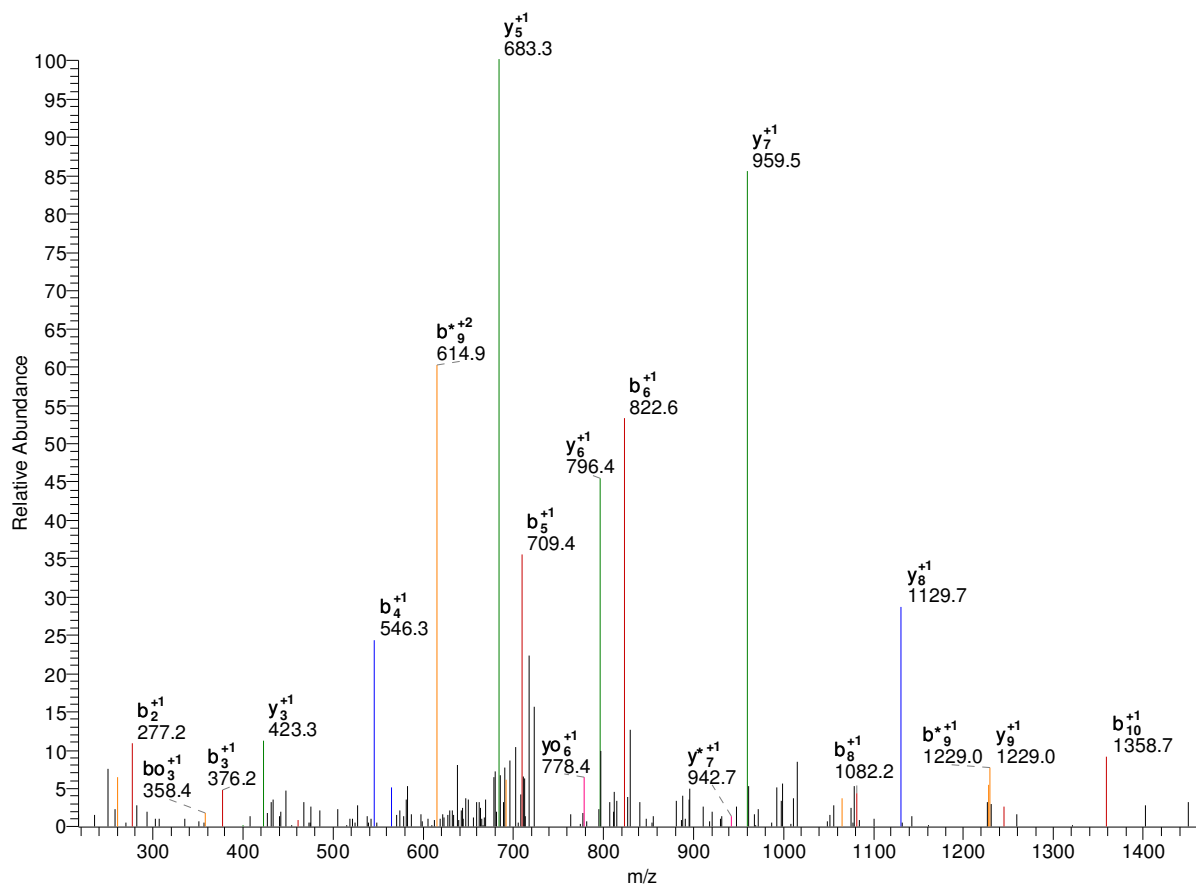
8	K*	496.73	488.22	487.73	316.68	308.17	307.68	5
9	V	546.27	537.76	537.26	231.63	223.12	222.62	4
10	G	574.78	566.27	565.77	182.09	173.58	173.09	3
11	M	640.30	631.79	631.29	153.58	145.07	144.58	2
12	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	55.36	49.69	49.36	-	-	-	12
2	H	101.05	95.37	95.04	430.89	425.21	424.88	11
3	P	133.40	127.72	127.40	385.20	379.52	379.20	10
4	G	152.41	146.73	146.40	352.85	347.17	346.84	9
5	Y	206.76	201.09	200.76	333.84	328.17	327.84	8
6	F	255.78	250.11	249.78	279.49	273.81	273.48	7
7	G	274.79	269.11	268.79	230.46	224.79	224.46	6
8	K*	331.49	325.82	325.49	211.46	205.78	205.45	5
9	V	364.52	358.84	358.51	154.75	149.08	148.75	4
10	G	383.52	377.85	377.52	121.73	116.06	115.73	3
11	M	427.20	421.53	421.20	102.72	97.05	96.72	2
12	R	-	-	-	59.04	53.37	53.04	1

-

1504.85 K.YIVK*YLPYYLK.R
 psu|PF08_0091 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 374 - 385
 #6806-6806 NL:9.36E1



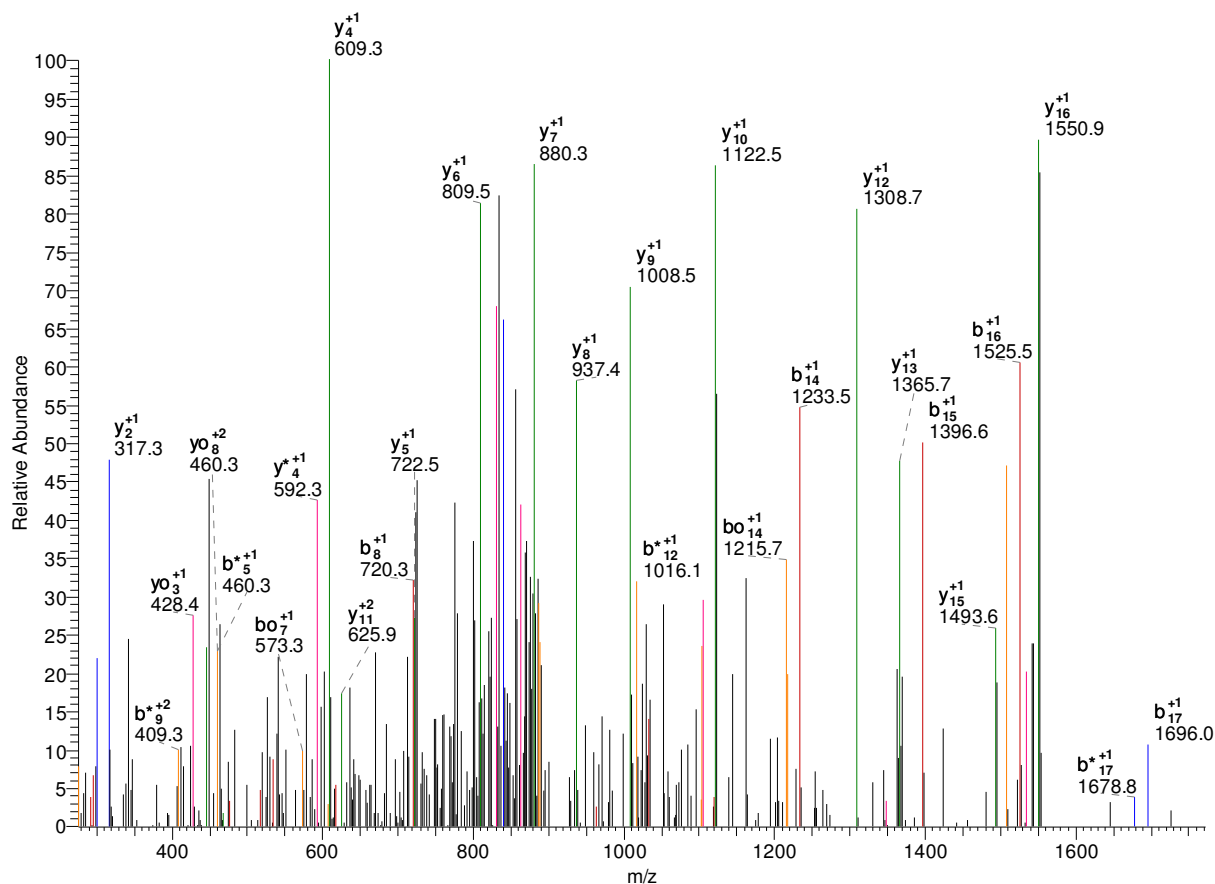
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	11
2	I	277.15	260.13	259.14	1341.78	1324.76	1323.77	10
3	V	376.22	359.20	358.21	1228.70	1211.67	1210.69	9
4	K*	546.33	529.30	528.32	1129.63	1112.60	1111.62	8
5	Y	709.39	692.37	691.38	959.52	942.50	941.51	7
6	L	822.48	805.45	804.47	796.46	779.43	778.45	6
7	P	919.53	902.50	901.52	683.38	666.35	665.37	5
8	Y	1082.59	1065.57	1064.58	586.32	569.30	568.31	4
9	Y	1245.66	1228.63	1227.64	423.26	406.23	405.25	3
10	L	1358.74	1341.71	1340.73	260.20	243.17	242.19	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	11
2	I	139.08	130.57	130.08	671.39	662.88	662.39	10
3	V	188.62	180.10	179.61	614.85	606.34	605.85	9
4	K*	273.67	265.15	264.66	565.32	556.80	556.31	8
5	Y	355.20	346.69	346.19	480.27	471.75	471.26	7
6	L	411.74	403.23	402.74	398.73	390.22	389.73	6
7	P	460.27	451.75	451.26	342.19	333.68	333.19	5
8	Y	541.80	533.29	532.79	293.67	285.15	284.66	4

9	Y	623.33	614.82	614.33	212.13	203.62	203.13	3
10	L	679.87	671.36	670.87	130.60	122.09	121.60	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1841.90 K.YKGGAGGENAGASLYEK*K.Y
 psu|PF14_0425 | organism=Plasmodium_falciparum_3D7 | product=fructose-bisphosphate
 aldolase | locat 348 - 366
 #1365-1365 NL: 3.33E1



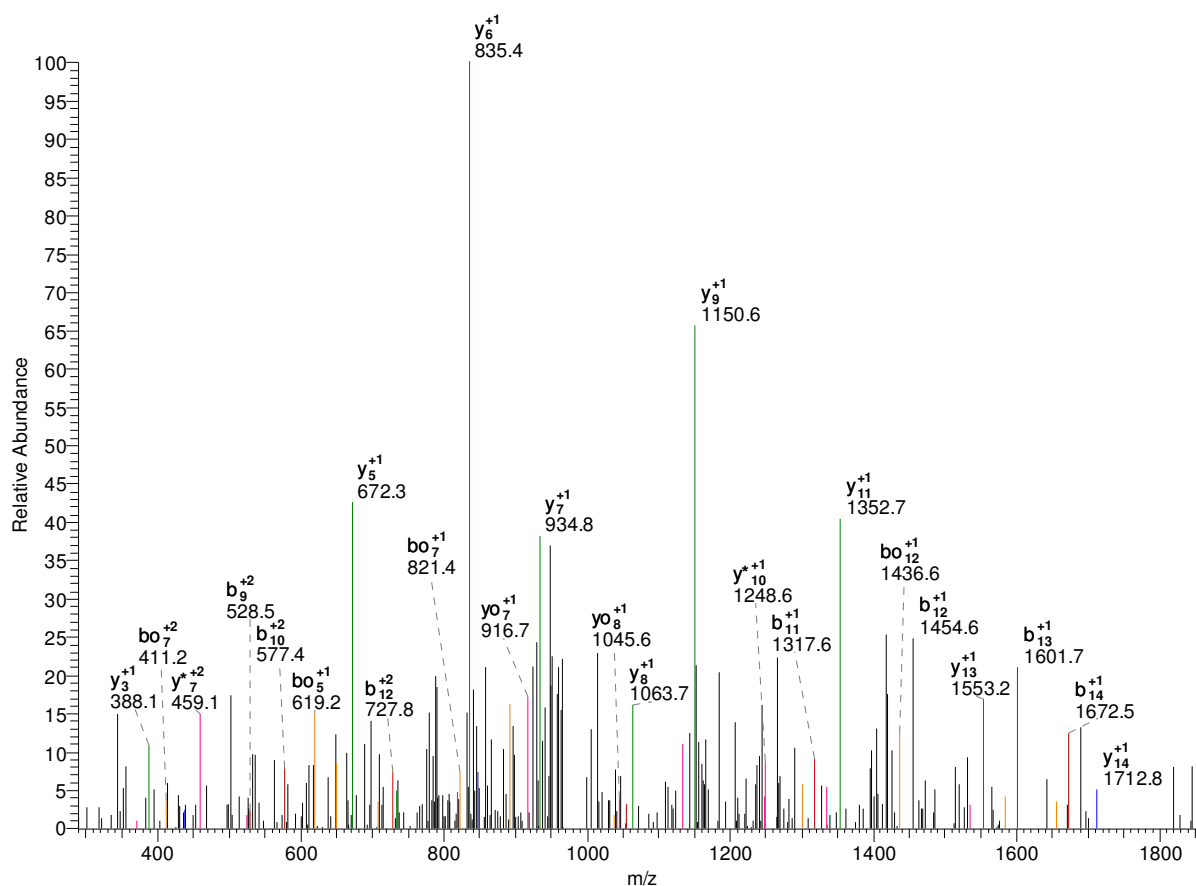
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	18
2	K	292.17	275.14	274.16	1678.84	1661.81	1660.83	17
3	G	349.19	332.16	331.18	1550.74	1533.72	1532.73	16
4	G	406.21	389.18	388.20	1493.72	1476.70	1475.71	15
5	A	477.25	460.22	459.24	1436.70	1419.68	1418.69	14
6	G	534.27	517.24	516.26	1365.66	1348.64	1347.65	13
7	G	591.29	574.26	573.28	1308.64	1291.62	1290.63	12
8	E	720.33	703.30	702.32	1251.62	1234.60	1233.61	11
9	N	834.37	817.35	816.36	1122.58	1105.55	1104.57	10
10	A	905.41	888.38	887.40	1008.54	991.51	990.53	9
11	G	962.43	945.41	944.42	937.50	920.47	919.49	8
12	A	1033.47	1016.44	1015.46	880.48	863.45	862.47	7
13	S	1120.50	1103.48	1102.49	809.44	792.41	791.43	6
14	L	1233.59	1216.56	1215.58	722.41	705.38	704.40	5
15	Y	1396.65	1379.62	1378.64	609.32	592.30	591.31	4
16	E	1525.69	1508.67	1507.68	446.26	429.23	428.25	3
17	K*	1695.80	1678.77	1677.79	317.22	300.19	299.21	2
18	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	18

2	K	146.59	138.07	137.58	839.92	831.41	830.92	17
3	G	175.10	166.58	166.09	775.88	767.36	766.87	16
4	G	203.61	195.09	194.60	747.37	738.85	738.36	15
5	A	239.13	230.61	230.12	718.85	710.34	709.85	14
6	G	267.64	259.12	258.63	683.34	674.82	674.33	13
7	G	296.15	287.63	287.14	654.83	646.31	645.82	12
8	E	360.67	352.16	351.66	626.31	617.80	617.31	11
9	N	417.69	409.18	408.69	561.79	553.28	552.79	10
10	A	453.21	444.70	444.20	504.77	496.26	495.77	9
11	G	481.72	473.21	472.71	469.25	460.74	460.25	8
12	A	517.24	508.73	508.23	440.74	432.23	431.74	7
13	S	560.75	552.24	551.75	405.22	396.71	396.22	6
14	L	617.30	608.78	608.29	361.71	353.19	352.70	5
15	Y	698.83	690.31	689.82	305.17	296.65	296.16	4
16	E	763.35	754.84	754.34	223.63	215.12	214.63	3
17	K*	848.40	839.89	839.40	159.11	150.60	150.11	2
18	K	-	-	-	74.06	65.55	65.05	1

1988.94 [K.YLC@SLSDSEVYHFAKK*.I](#)
 psu|PFF1025c | organism=Plasmodium_falciparum_3D7 | product=pyridoxine biosynthetic
 enzyme pdx1 hom 174 - 190
 #5336-5336 NL:5.14E1



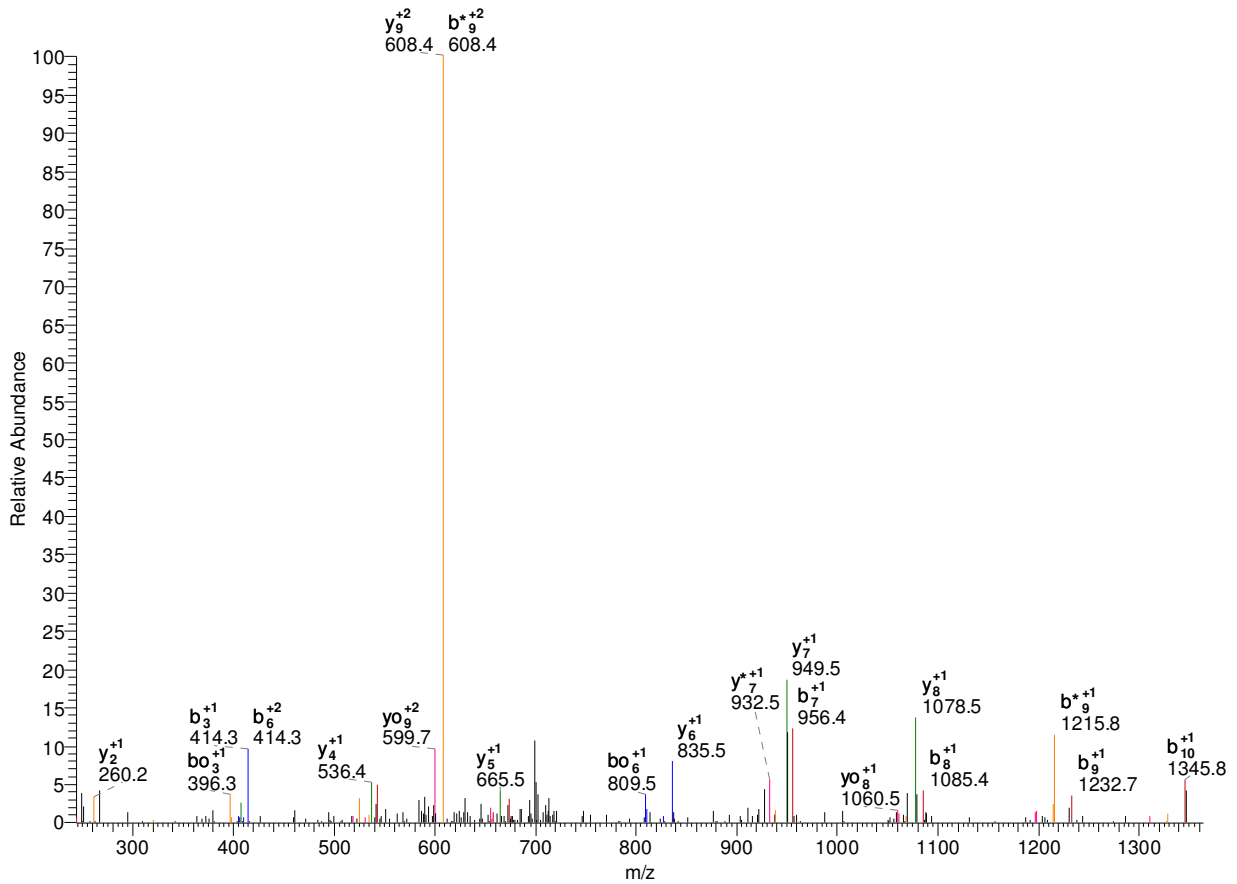
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	16
2	L	277.15	260.13	259.14	1825.88	1808.85	1807.87	15
3	C@	437.19	420.16	419.17	1712.79	1695.77	1694.78	14
4	S	524.22	507.19	506.21	1552.76	1535.74	1534.75	13
5	L	637.30	620.27	619.29	1465.73	1448.71	1447.72	12
6	S	724.33	707.31	706.32	1352.65	1335.62	1334.64	11
7	D	839.36	822.33	821.35	1265.62	1248.59	1247.61	10
8	S	926.39	909.37	908.38	1150.59	1133.56	1132.58	9
9	E	1055.43	1038.41	1037.42	1063.56	1046.53	1045.55	8
10	V	1154.50	1137.48	1136.49	934.51	917.49	916.50	7
11	Y	1317.57	1300.54	1299.56	835.45	818.42	817.44	6
12	H	1454.63	1437.60	1436.62	672.38	655.36	654.37	5
13	F	1601.69	1584.67	1583.68	535.32	518.30	517.31	4
14	A	1672.73	1655.70	1654.72	388.26	371.23	370.24	3
15	K	1800.83	1783.80	1782.82	317.22	300.19	299.21	2
16	K*	-	-	-	189.12	172.10	171.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	16
2	L	139.08	130.57	130.08	913.44	904.93	904.44	15
3	C@	219.10	210.58	210.09	856.90	848.39	847.90	14

4	S	262.61	254.10	253.61	776.89	768.37	767.88	13
5	L	319.15	310.64	310.15	733.37	724.86	724.36	12
6	S	362.67	354.16	353.67	676.83	668.31	667.82	11
7	D	420.18	411.67	411.18	633.31	624.80	624.31	10
8	S	463.70	455.19	454.69	575.80	567.28	566.79	9
9	E	528.22	519.71	519.22	532.28	523.77	523.28	8
10	V	577.76	569.24	568.75	467.76	459.25	458.76	7
11	Y	659.29	650.77	650.28	418.23	409.71	409.22	6
12	H	727.82	719.30	718.81	336.70	328.18	327.69	5
13	F	801.35	792.84	792.35	268.17	259.65	259.16	4
14	A	836.87	828.36	827.86	194.63	186.12	185.63	3
15	K	900.92	892.40	891.91	159.11	150.60	150.11	2
16	K*	-	-	-	95.07	86.55	86.06	1

-

1491.75 K.YLHENK*EEFLK.L
 psu|MAL13P1.214 | organism=Plasmodium_falciparum_3D7 | product=phosphoethanolamine N-
 methyltransfer 219 - 230
 #2757-2757 NL: 2.86E2



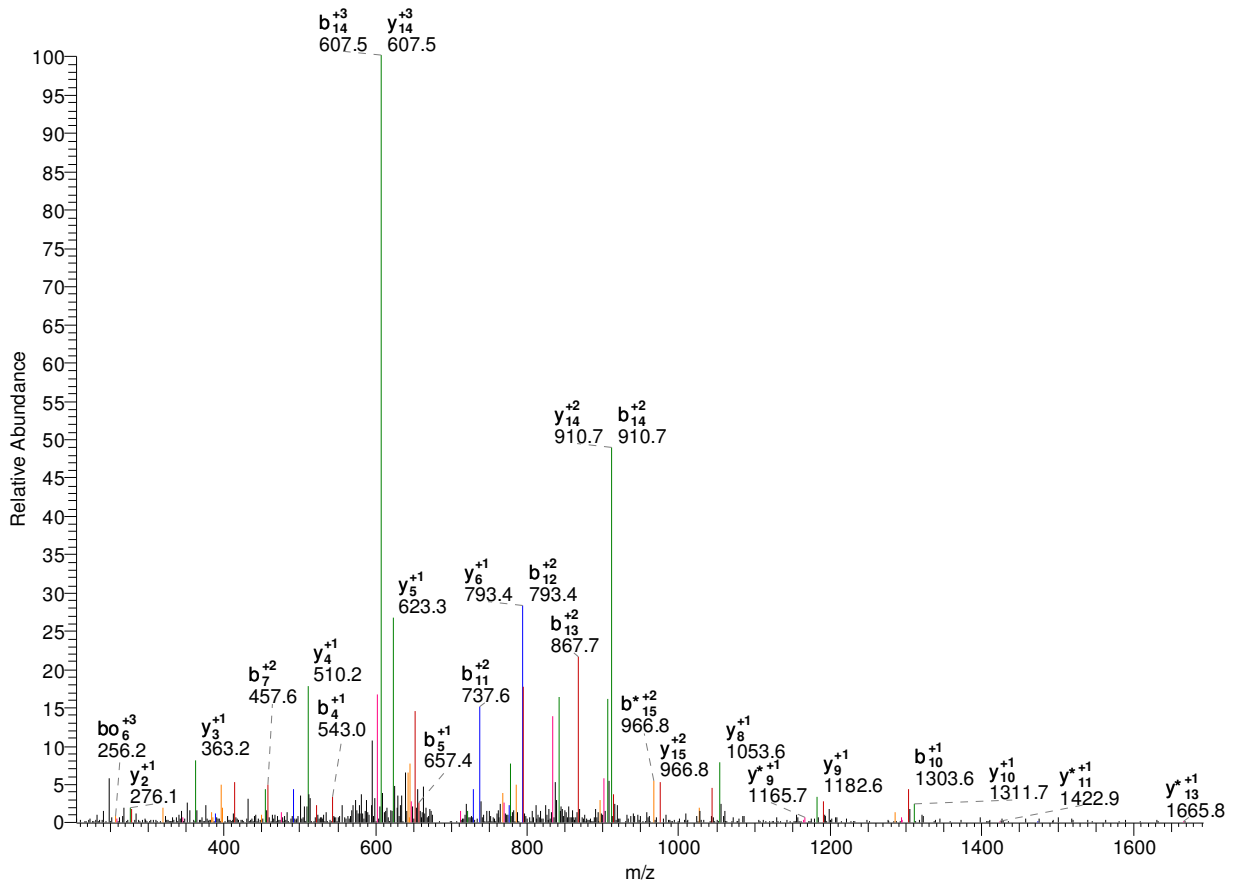
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	11
2	L	277.15	260.13	259.14	1328.68	1311.66	1310.67	10
3	H	414.21	397.19	396.20	1215.60	1198.57	1197.59	9
4	E	543.26	526.23	525.25	1078.54	1061.51	1060.53	8
5	N	657.30	640.27	639.29	949.50	932.47	931.49	7
6	K*	827.40	810.38	809.39	835.46	818.43	817.45	6
7	E	956.45	939.42	938.44	665.35	648.32	647.34	5
8	E	1085.49	1068.46	1067.48	536.31	519.28	518.30	4
9	F	1232.56	1215.53	1214.55	407.27	390.24	389.25	3
10	L	1345.64	1328.62	1327.63	260.20	243.17	242.19	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	11
2	L	139.08	130.57	130.08	664.85	656.33	655.84	10
3	H	207.61	199.10	198.61	608.30	599.79	599.30	9
4	E	272.13	263.62	263.13	539.77	531.26	530.77	8
5	N	329.15	320.64	320.15	475.25	466.74	466.25	7
6	K*	414.21	405.69	405.20	418.23	409.72	409.23	6
7	E	478.73	470.21	469.72	333.18	324.67	324.17	5
8	E	543.25	534.74	534.24	268.66	260.14	259.65	4

9	F	616.78	608.27	607.78	204.14	195.62	195.13	3
10	L	673.32	664.81	664.32	130.60	122.09	121.60	2
11	K	-	-	-	74.06	65.55	65.05	1

-

2096.07 K.YLHENKEEFLK*LFSEK.K
 psu|MAL13P1.214 | organism=Plasmodium_falciparum_3D7 | product=phosphoethanolamine N-methyltransferase
 219 - 235
 #6094-6094 NL: 1.05E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	16
2	L	277.15	260.13	259.14	1933.01	1915.98	1915.00	15
3	H	414.21	397.19	396.20	1819.92	1802.90	1801.91	14
4	E	543.26	526.23	525.25	1682.86	1665.84	1664.85	13
5	N	657.30	640.27	639.29	1553.82	1536.79	1535.81	12
6	K	785.39	768.37	767.38	1439.78	1422.75	1421.77	11
7	E	914.44	897.41	896.43	1311.68	1294.66	1293.67	10
8	E	1043.48	1026.45	1025.47	1182.64	1165.61	1164.63	9
9	F	1190.55	1173.52	1172.54	1053.60	1036.57	1035.59	8
10	L	1303.63	1286.61	1285.62	906.53	889.50	888.52	7
11	K*	1473.74	1456.71	1455.73	793.45	776.42	775.43	6
12	L	1586.82	1569.79	1568.81	623.34	606.31	605.33	5
13	F	1733.89	1716.86	1715.88	510.26	493.23	492.25	4
14	S	1820.92	1803.90	1802.91	363.19	346.16	345.18	3
15	E	1949.96	1932.94	1931.95	276.16	259.13	258.14	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	16
2	L	139.08	130.57	130.08	967.01	958.49	958.00	15
3	H	207.61	199.10	198.61	910.46	901.95	901.46	14

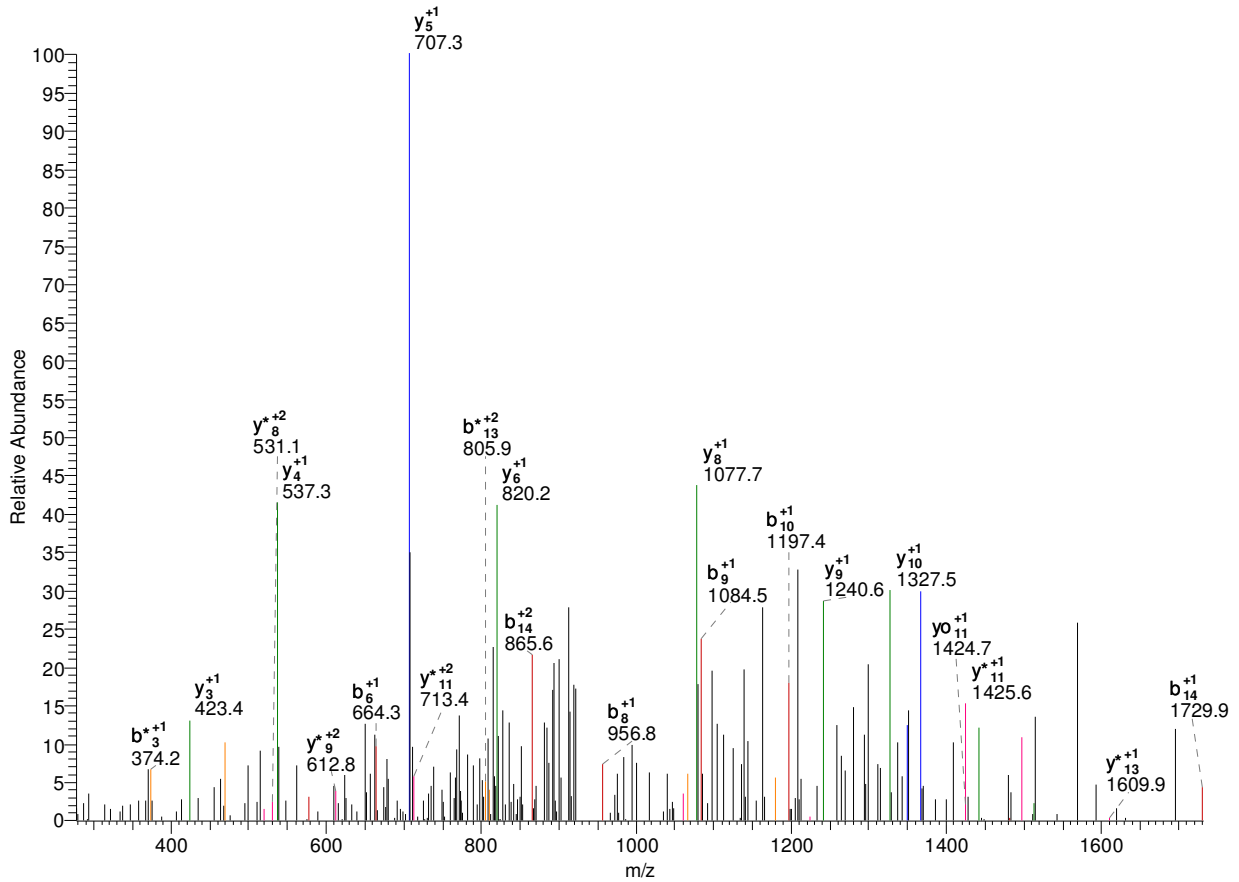
4	E	272.13	263.62	263.13	841.94	833.42	832.93	13
5	N	329.15	320.64	320.15	777.41	768.90	768.41	12
6	K	393.20	384.69	384.20	720.39	711.88	711.39	11
7	E	457.72	449.21	448.72	656.35	647.83	647.34	10
8	E	522.24	513.73	513.24	591.82	583.31	582.82	9
9	F	595.78	587.26	586.77	527.30	518.79	518.30	8
10	L	652.32	643.81	643.31	453.77	445.26	444.76	7
11	K*	737.37	728.86	728.37	397.23	388.71	388.22	6
12	L	793.91	785.40	784.91	312.17	303.66	303.17	5
13	F	867.45	858.94	858.44	255.63	247.12	246.63	4
14	S	910.96	902.45	901.96	182.10	173.58	173.09	3
15	E	975.49	966.97	966.48	138.58	130.07	129.58	2
16	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	55.36	49.69	49.36	-	-	-	16
2	L	93.06	87.38	87.05	645.01	639.33	639.00	15
3	H	138.74	133.07	132.74	607.31	601.64	601.31	14
4	E	181.76	176.08	175.75	561.63	555.95	555.62	13
5	N	219.77	214.10	213.77	518.61	512.94	512.61	12
6	K	262.47	256.79	256.47	480.60	474.92	474.59	11
7	E	305.48	299.81	299.48	437.90	432.22	431.90	10
8	E	348.50	342.82	342.49	394.89	389.21	388.88	9
9	F	397.52	391.85	391.52	351.87	346.20	345.87	8
10	L	435.22	429.54	429.21	302.85	297.17	296.84	7
11	K*	491.92	486.24	485.91	265.15	259.48	259.15	6
12	L	529.61	523.94	523.61	208.45	202.78	202.45	5
13	F	578.63	572.96	572.63	170.76	165.08	164.75	4
14	S	607.65	601.97	601.64	121.73	116.06	115.73	3
15	E	650.66	644.98	644.66	92.72	87.05	86.72	2
16	K	-	-	-	49.71	44.03	43.71	1

-

1903.92 K.YNIADSYEQLK*NFTR.G
 psu|PFB0295w | organism=Plasmodium_falciparum_3D7 | product=adenylosuccinate lyase,
 putative | loca 398 - 413
 #6727-6727 NL:5.14E1

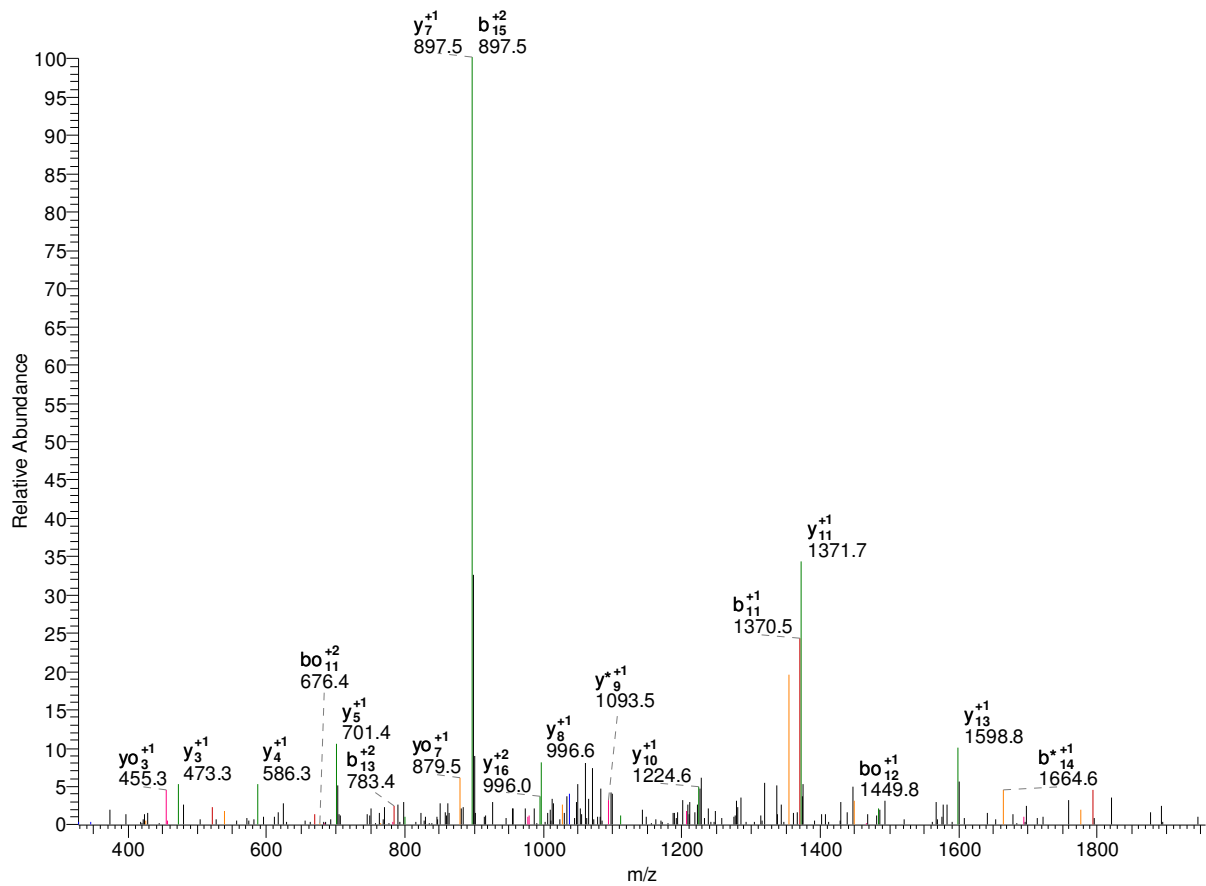


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	15
2	N	278.11	261.09	260.10	1740.86	1723.83	1722.84	14
3	I	391.20	374.17	373.19	1626.81	1609.79	1608.80	13
4	A	462.23	445.21	444.22	1513.73	1496.70	1495.72	12
5	D	577.26	560.24	559.25	1442.69	1425.66	1424.68	11
6	S	664.29	647.27	646.28	1327.66	1310.64	1309.65	10
7	Y	827.36	810.33	809.35	1240.63	1223.61	1222.62	9
8	E	956.40	939.37	938.39	1077.57	1060.54	1059.56	8
9	Q	1084.46	1067.43	1066.45	948.53	931.50	930.52	7
10	L	1197.54	1180.52	1179.53	820.47	803.44	802.46	6
11	K*	1367.65	1350.62	1349.64	707.38	690.36	689.37	5
12	N	1481.69	1464.66	1463.68	537.28	520.25	519.27	4
13	F	1628.76	1611.73	1610.75	423.24	406.21	405.22	3
14	T	1729.81	1712.78	1711.80	276.17	259.14	258.16	2
15	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	15
2	N	139.56	131.05	130.56	870.93	862.42	861.93	14
3	I	196.10	187.59	187.10	813.91	805.40	804.90	13
4	A	231.62	223.11	222.62	757.37	748.85	748.36	12

5	D	289.13	280.62	280.13	721.85	713.34	712.84	11
6	S	332.65	324.14	323.65	664.34	655.82	655.33	10
7	Y	414.18	405.67	405.18	620.82	612.31	611.81	9
8	E	478.70	470.19	469.70	539.29	530.77	530.28	8
9	Q	542.73	534.22	533.73	474.77	466.25	465.76	7
10	L	599.27	590.76	590.27	410.74	402.22	401.73	6
11	K*	684.33	675.81	675.32	354.20	345.68	345.19	5
12	N	741.35	732.84	732.34	269.14	260.63	260.14	4
13	F	814.88	806.37	805.88	212.12	203.61	203.12	3
14	T	865.41	856.89	856.40	138.59	130.07	129.58	2
15	R	-	-	-	88.06	79.55	79.06	1

2267.15 K.YNYDINIFNNVPVDIQK*R.N
 psu|PFC0425w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 2249 - 2267
 #6996-6996 NL: 1.75E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	18
2	N	278.11	261.09	260.10	2104.08	2087.06	2086.07	17
3	Y	441.18	424.15	423.17	1990.04	1973.01	1972.03	16
4	D	556.20	539.18	538.19	1826.98	1809.95	1808.97	15
5	I	669.29	652.26	651.28	1711.95	1694.92	1693.94	14
6	N	783.33	766.30	765.32	1598.86	1581.84	1580.85	13
7	I	896.41	879.39	878.40	1484.82	1467.80	1466.81	12
8	F	1043.48	1026.46	1025.47	1371.74	1354.71	1353.73	11
9	N	1157.53	1140.50	1139.52	1224.67	1207.64	1206.66	10
10	N	1271.57	1254.54	1253.56	1110.63	1093.60	1092.62	9
11	V	1370.64	1353.61	1352.63	996.58	979.56	978.57	8
12	P	1467.69	1450.66	1449.68	897.52	880.49	879.50	7
13	V	1566.76	1549.73	1548.75	800.46	783.44	782.45	6
14	D	1681.79	1664.76	1663.78	701.39	684.37	683.38	5
15	I	1794.87	1777.84	1776.86	586.37	569.34	568.36	4
16	Q	1922.93	1905.90	1904.92	473.28	456.26	455.27	3
17	K*	2093.03	2076.01	2075.02	345.22	328.20	327.21	2
18	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	18

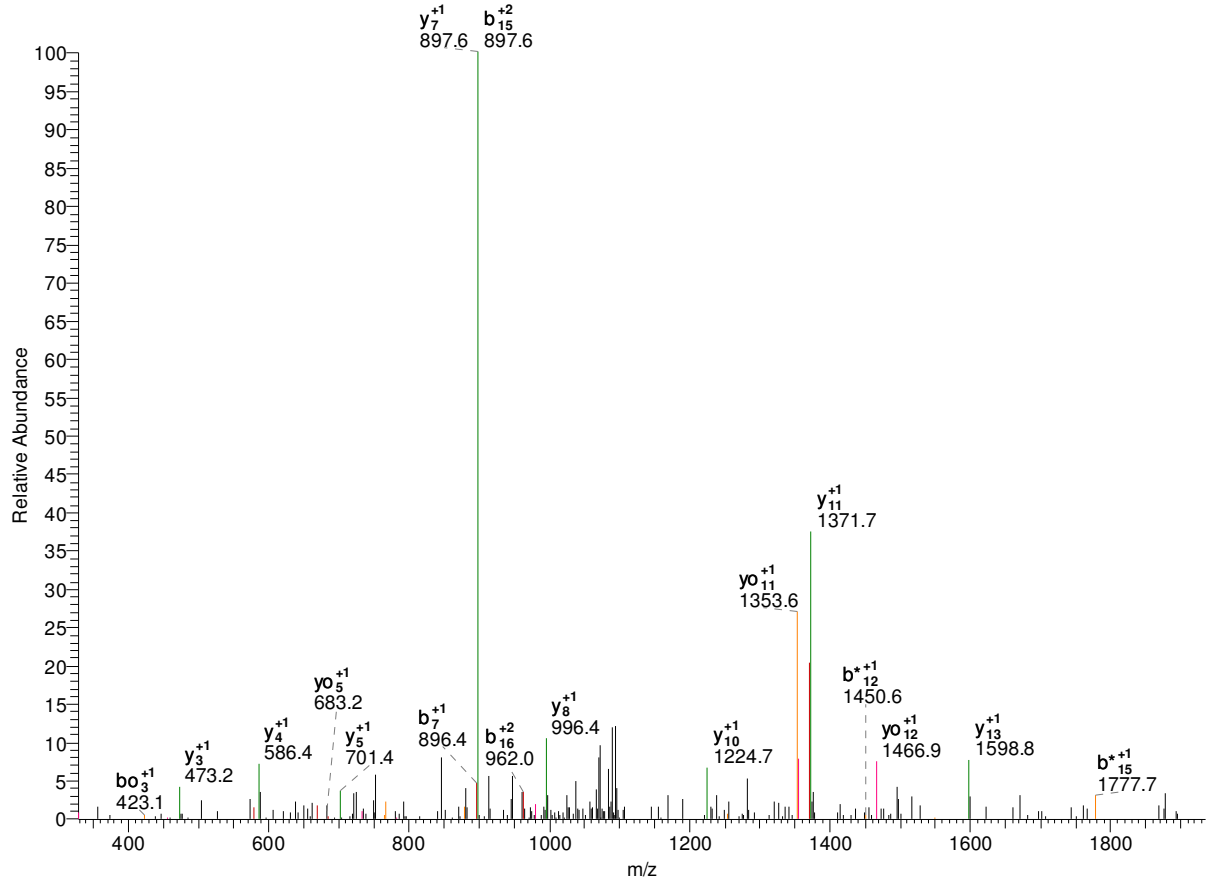
2	N	139.56	131.05	130.56	1052.54	1044.03	1043.54	17
3	Y	221.09	212.58	212.09	995.52	987.01	986.52	16
4	D	278.61	270.09	269.60	913.99	905.48	904.99	15
5	I	335.15	326.63	326.14	856.48	847.96	847.47	14
6	N	392.17	383.66	383.16	799.94	791.42	790.93	13
7	I	448.71	440.20	439.71	742.91	734.40	733.91	12
8	F	522.25	513.73	513.24	686.37	677.86	677.37	11
9	N	579.27	570.75	570.26	612.84	604.33	603.83	10
10	N	636.29	627.77	627.28	555.82	547.30	546.81	9
11	V	685.82	677.31	676.82	498.80	490.28	489.79	8
12	P	734.35	725.84	725.34	449.26	440.75	440.26	7
13	V	783.88	775.37	774.88	400.73	392.22	391.73	6
14	D	841.40	832.88	832.39	351.20	342.69	342.20	5
15	I	897.94	889.43	888.93	293.69	285.17	284.68	4
16	Q	961.97	953.45	952.96	237.15	228.63	228.14	3
17	K*	1047.02	1038.51	1038.02	173.12	164.60	164.11	2
18	R	-	-	-	88.06	79.55	79.06	1

2267.15

K.YNYDINIFNNVPVDIQKR*.N

psu|PFC0425w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | locat 2249 - 2267

#7010-7010 NL: 1.46E2



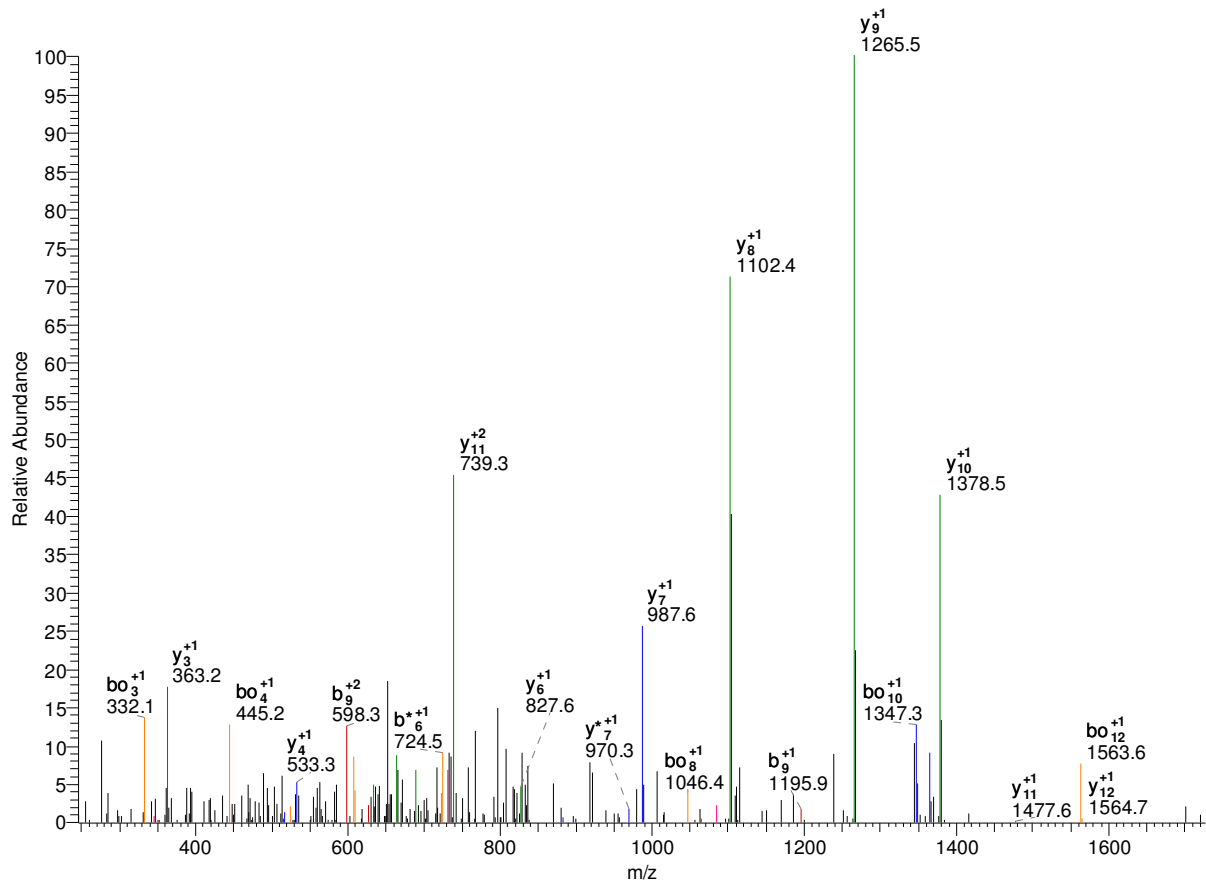
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	18
2	N	278.11	261.09	260.10	2104.08	2087.06	2086.07	17
3	Y	441.18	424.15	423.17	1990.04	1973.01	1972.03	16
4	D	556.20	539.18	538.19	1826.98	1809.95	1808.97	15
5	I	669.29	652.26	651.28	1711.95	1694.92	1693.94	14
6	N	783.33	766.30	765.32	1598.86	1581.84	1580.85	13
7	I	896.41	879.39	878.40	1484.82	1467.80	1466.81	12
8	F	1043.48	1026.46	1025.47	1371.74	1354.71	1353.73	11
9	N	1157.53	1140.50	1139.52	1224.67	1207.64	1206.66	10
10	N	1271.57	1254.54	1253.56	1110.63	1093.60	1092.62	9
11	V	1370.64	1353.61	1352.63	996.58	979.56	978.57	8
12	P	1467.69	1450.66	1449.68	897.52	880.49	879.50	7
13	V	1566.76	1549.73	1548.75	800.46	783.44	782.45	6
14	D	1681.79	1664.76	1663.78	701.39	684.37	683.38	5
15	I	1794.87	1777.84	1776.86	586.37	569.34	568.36	4
16	Q	1922.93	1905.90	1904.92	473.28	456.26	455.27	3
17	K	2051.02	2034.00	2033.01	345.22	328.20	327.21	2
18	R*	-	-	-	217.13	200.10	199.12	1

+2 Ions		B	B*	B0	Y	Y*	Y0	

1	Y	82.54	74.03	73.53	-	-	-	18
2	N	139.56	131.05	130.56	1052.54	1044.03	1043.54	17
3	Y	221.09	212.58	212.09	995.52	987.01	986.52	16
4	D	278.61	270.09	269.60	913.99	905.48	904.99	15
5	I	335.15	326.63	326.14	856.48	847.96	847.47	14
6	N	392.17	383.66	383.16	799.94	791.42	790.93	13
7	I	448.71	440.20	439.71	742.91	734.40	733.91	12
8	F	522.25	513.73	513.24	686.37	677.86	677.37	11
9	N	579.27	570.75	570.26	612.84	604.33	603.83	10
10	N	636.29	627.77	627.28	555.82	547.30	546.81	9
11	V	685.82	677.31	676.82	498.80	490.28	489.79	8
12	P	734.35	725.84	725.34	449.26	440.75	440.26	7
13	V	783.88	775.37	774.88	400.73	392.22	391.73	6
14	D	841.40	832.88	832.39	351.20	342.69	342.20	5
15	I	897.94	889.43	888.93	293.69	285.17	284.68	4
16	Q	961.97	953.45	952.96	237.15	228.63	228.14	3
17	K	1026.02	1017.50	1017.01	173.12	164.60	164.11	2
18	R*	-	-	-	109.07	100.56	100.06	1

-

1727.77 K.YSVLYDC@YMK*SEK.C
 psu|PF13_0179 | organism=Plasmodium_falciparum_3D7 | product=isoleucine--tRNA ligase,
 putative | lo318 - 331
 #3794-3794 NL:9.32E1



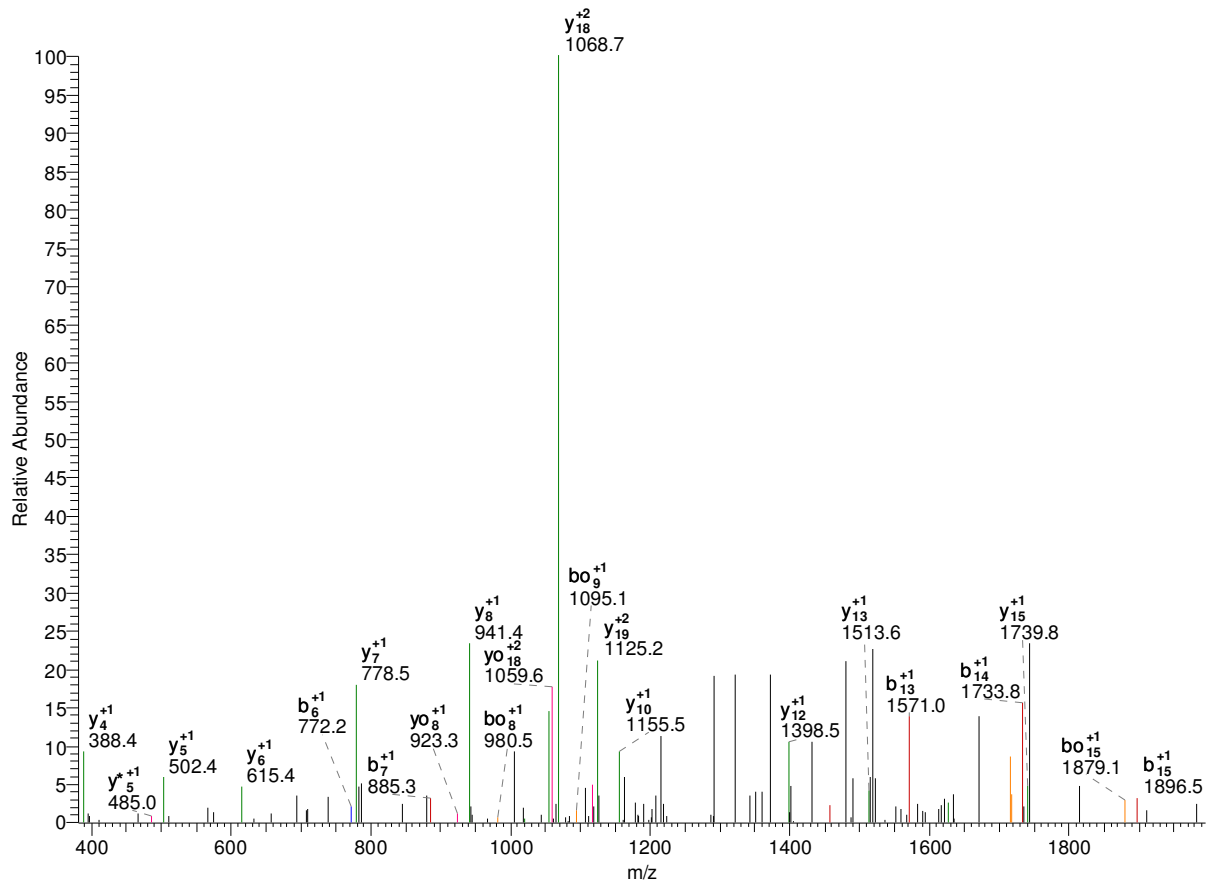
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	13
2	S	251.10	234.08	233.09	1564.70	1547.68	1546.69	12
3	V	350.17	333.14	332.16	1477.67	1460.64	1459.66	11
4	L	463.26	446.23	445.24	1378.60	1361.58	1360.59	10
5	Y	626.32	609.29	608.31	1265.52	1248.49	1247.51	9
6	D	741.35	724.32	723.33	1102.45	1085.43	1084.44	8
7	C@	901.38	884.35	883.37	987.43	970.40	969.42	7
8	Y	1064.44	1047.41	1046.43	827.40	810.37	809.39	6
9	M	1195.48	1178.45	1177.47	664.33	647.31	646.32	5
10	K*	1365.59	1348.56	1347.57	533.29	516.27	515.28	4
11	S	1452.62	1435.59	1434.61	363.19	346.16	345.18	3
12	E	1581.66	1564.63	1563.65	276.16	259.13	258.14	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	13
2	S	126.05	117.54	117.05	782.85	774.34	773.85	12
3	V	175.59	167.08	166.58	739.34	730.83	730.33	11
4	L	232.13	223.62	223.13	689.80	681.29	680.80	10
5	Y	313.66	305.15	304.66	633.26	624.75	624.26	9
6	D	371.18	362.66	362.17	551.73	543.22	542.73	8

7	C@	451.19	442.68	442.19	494.22	485.70	485.21	7
8	Y	532.72	524.21	523.72	414.20	405.69	405.20	6
9	M	598.24	589.73	589.24	332.67	324.16	323.67	5
10	K*	683.30	674.78	674.29	267.15	258.64	258.14	4
11	S	726.81	718.30	717.81	182.10	173.58	173.09	3
12	E	791.33	782.82	782.33	138.58	130.07	129.58	2
13	K	-	-	-	74.06	65.55	65.05	1

-

2511.30 K.YVIPEK*LLDNETLYYLNPSGK.F
 psu|PF11090w | organism=Plasmodium_falciparum_3D7 | product=s-adenosylmethionine
 synthetase, putati 224 - 245
 #8164-8164 NL:8.24E1

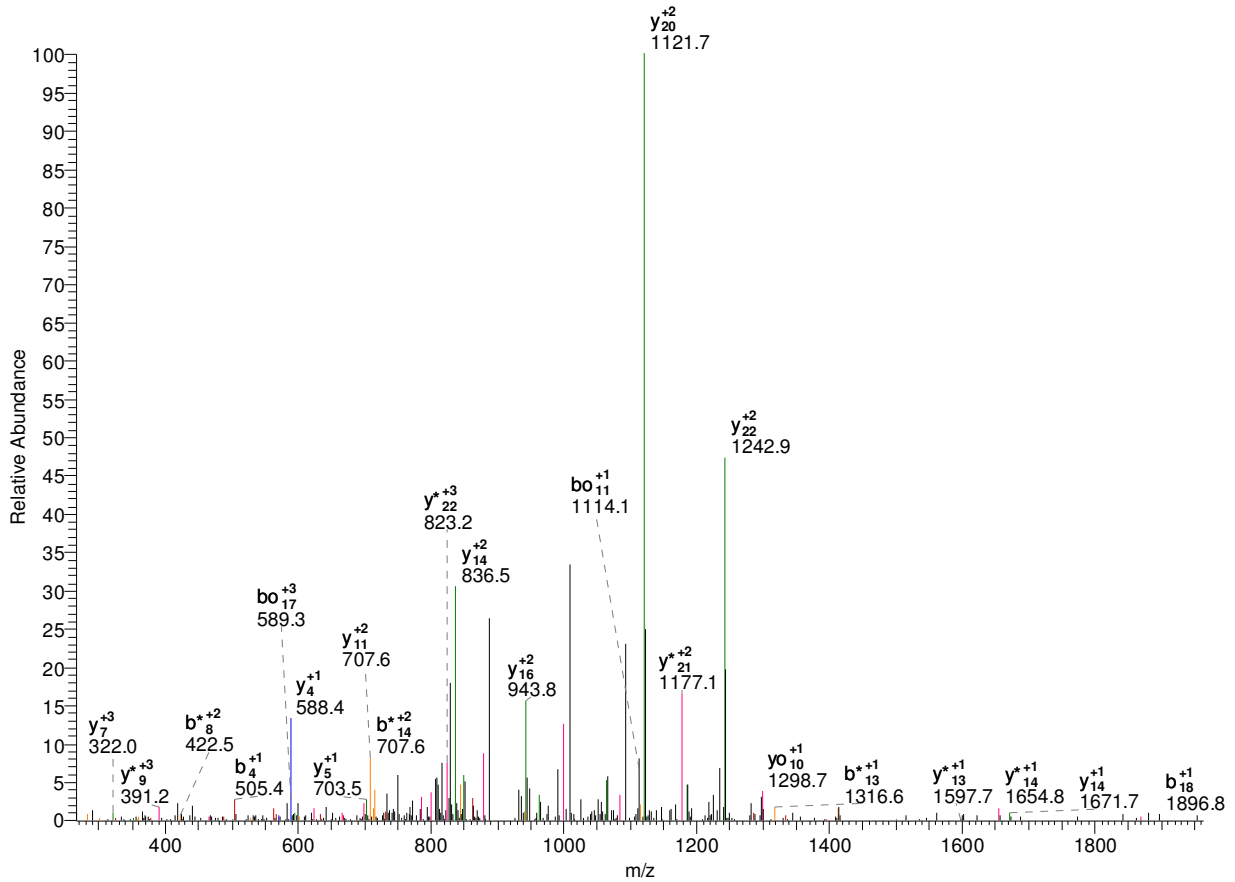


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	21
2	V	263.14	246.11	245.13	2348.24	2331.21	2330.23	20
3	I	376.22	359.20	358.21	2249.17	2232.14	2231.16	19
4	P	473.28	456.25	455.27	2136.09	2119.06	2118.08	18
5	E	602.32	585.29	584.31	2039.03	2022.01	2021.02	17
6	K*	772.42	755.40	754.41	1909.99	1892.96	1891.98	16
7	L	885.51	868.48	867.50	1739.89	1722.86	1721.87	15
8	L	998.59	981.57	980.58	1626.80	1609.77	1608.79	14
9	D	1113.62	1096.59	1095.61	1513.72	1496.69	1495.71	13
10	N	1227.66	1210.64	1209.65	1398.69	1381.66	1380.68	12
11	E	1356.70	1339.68	1338.69	1284.65	1267.62	1266.64	11
12	T	1457.75	1440.73	1439.74	1155.60	1138.58	1137.59	10
13	L	1570.84	1553.81	1552.83	1054.56	1037.53	1036.55	9
14	Y	1733.90	1716.87	1715.89	941.47	924.45	923.46	8
15	Y	1896.96	1879.94	1878.95	778.41	761.38	760.40	7
16	L	2010.05	1993.02	1992.04	615.35	598.32	597.34	6
17	N	2124.09	2107.06	2106.08	502.26	485.24	484.25	5
18	P	2221.14	2204.12	2203.13	388.22	371.19	370.21	4
19	S	2308.17	2291.15	2290.16	291.17	274.14	273.16	3
20	G	2365.20	2348.17	2347.19	204.13	187.11	186.12	2
21	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	21
2	V	132.07	123.56	123.07	1174.62	1166.11	1165.62	20
3	I	188.62	180.10	179.61	1125.09	1116.58	1116.08	19
4	P	237.14	228.63	228.14	1068.55	1060.03	1059.54	18
5	E	301.66	293.15	292.66	1020.02	1011.51	1011.01	17
6	K*	386.72	378.20	377.71	955.50	946.99	946.49	16
7	L	443.26	434.74	434.25	870.45	861.93	861.44	15
8	L	499.80	491.29	490.79	813.90	805.39	804.90	14
9	D	557.31	548.80	548.31	757.36	748.85	748.36	13
10	N	614.33	605.82	605.33	699.85	691.34	690.84	12
11	E	678.86	670.34	669.85	642.83	634.31	633.82	11
12	T	729.38	720.87	720.37	578.31	569.79	569.30	10
13	L	785.92	777.41	776.92	527.78	519.27	518.78	9
14	Y	867.45	858.94	858.45	471.24	462.73	462.23	8
15	Y	948.99	940.47	939.98	389.71	381.20	380.70	7
16	L	1005.53	997.01	996.52	308.18	299.66	299.17	6
17	N	1062.55	1054.04	1053.54	251.63	243.12	242.63	5
18	P	1111.07	1102.56	1102.07	194.61	186.10	185.61	4
19	S	1154.59	1146.08	1145.59	146.09	137.57	137.08	3
20	G	1183.10	1174.59	1174.10	102.57	94.06	93.57	2
21	K	-	-	-	74.06	65.55	65.05	1

-

2746.31 K.YVNQGGLTIGNSPEHSLFDK*ENR.N
 psu|PF1075c | organism=Plasmodium_falciparum_3D7 | product=6-phosphofructokinase,
 putative | locat 907 - 931
 #4858-4858 NL: 4.75E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	24
2	V	263.14	246.11	245.13	2583.24	2566.22	2565.23	23
3	N	377.18	360.16	359.17	2484.17	2467.15	2466.16	22
4	Q	505.24	488.21	487.23	2370.13	2353.11	2352.12	21
5	G	562.26	545.24	544.25	2242.07	2225.05	2224.06	20
6	G	619.28	602.26	601.27	2185.05	2168.03	2167.04	19
7	L	732.37	715.34	714.36	2128.03	2111.00	2110.02	18
8	E	861.41	844.38	843.40	2014.95	1997.92	1996.94	17
9	L	974.49	957.47	956.48	1885.90	1868.88	1867.89	16
10	T	1075.54	1058.52	1057.53	1772.82	1755.79	1754.81	15
11	G	1132.56	1115.54	1114.55	1671.77	1654.75	1653.76	14
12	N	1246.61	1229.58	1228.60	1614.75	1597.72	1596.74	13
13	S	1333.64	1316.61	1315.63	1500.71	1483.68	1482.70	12
14	P	1430.69	1413.66	1412.68	1413.68	1396.65	1395.67	11
15	E	1559.73	1542.71	1541.72	1316.62	1299.60	1298.61	10
16	H	1696.79	1679.77	1678.78	1187.58	1170.55	1169.57	9
17	S	1783.82	1766.80	1765.81	1050.52	1033.49	1032.51	8
18	L	1896.91	1879.88	1878.90	963.49	946.46	945.48	7
19	F	2043.98	2026.95	2025.97	850.41	833.38	832.39	6
20	D	2159.00	2141.98	2140.99	703.34	686.31	685.33	5
21	K*	2329.11	2312.08	2311.10	588.31	571.28	570.30	4
22	E	2458.15	2441.13	2440.14	418.20	401.18	400.19	3

23	N	2572.20	2555.17	2554.18	289.16	272.14	271.15	2
24	R	-	-	-	175.12	158.09	157.11	1

-

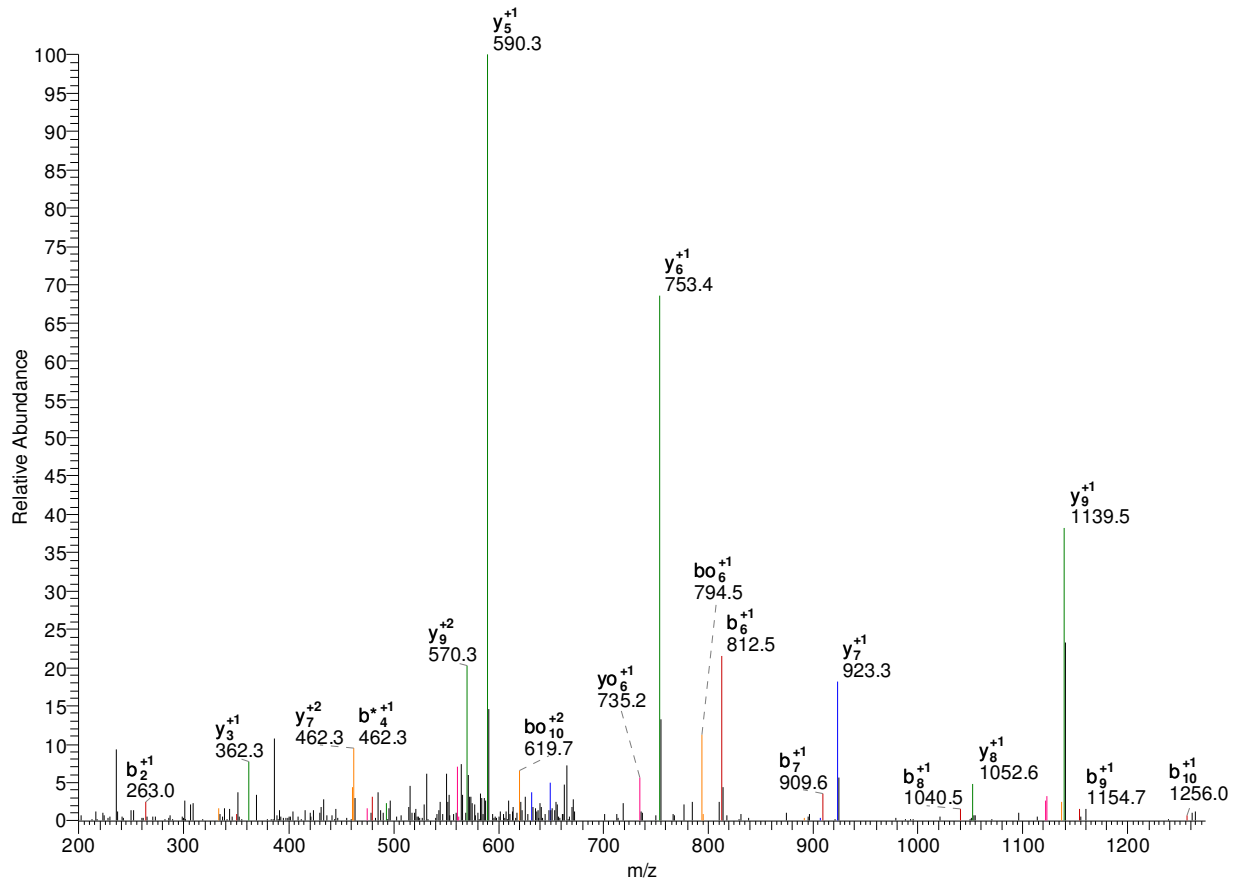
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	24
2	V	132.07	123.56	123.07	1292.13	1283.61	1283.12	23
3	N	189.09	180.58	180.09	1242.59	1234.08	1233.59	22
4	Q	253.12	244.61	244.12	1185.57	1177.06	1176.56	21
5	G	281.63	273.12	272.63	1121.54	1113.03	1112.54	20
6	G	310.15	301.63	301.14	1093.03	1084.52	1084.02	19
7	L	366.69	358.17	357.68	1064.52	1056.01	1055.51	18
8	E	431.21	422.70	422.20	1007.98	999.46	998.97	17
9	L	487.75	479.24	478.75	943.46	934.94	934.45	16
10	T	538.27	529.76	529.27	886.91	878.40	877.91	15
11	G	566.79	558.27	557.78	836.39	827.88	827.38	14
12	N	623.81	615.29	614.80	807.88	799.37	798.87	13
13	S	667.32	658.81	658.32	750.86	742.34	741.85	12
14	P	715.85	707.34	706.84	707.34	698.83	698.34	11
15	E	780.37	771.86	771.37	658.82	650.30	649.81	10
16	H	848.90	840.39	839.89	594.29	585.78	585.29	9
17	S	892.42	883.90	883.41	525.76	517.25	516.76	8
18	L	948.96	940.44	939.95	482.25	473.74	473.24	7
19	F	1022.49	1013.98	1013.49	425.71	417.19	416.70	6
20	D	1080.01	1071.49	1071.00	352.17	343.66	343.17	5
21	K*	1165.06	1156.55	1156.05	294.66	286.15	285.65	4
22	E	1229.58	1221.07	1220.57	209.61	201.09	200.60	3
23	N	1286.60	1278.09	1277.60	145.08	136.57	136.08	2
24	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	55.36	49.69	49.36	-	-	-	24
2	V	88.38	82.71	82.38	861.75	856.08	855.75	23
3	N	126.40	120.72	120.40	828.73	823.05	822.73	22
4	Q	169.09	163.41	163.08	790.72	785.04	784.71	21
5	G	188.09	182.42	182.09	748.03	742.35	742.03	20
6	G	207.10	201.42	201.10	729.02	723.35	723.02	19
7	L	244.79	239.12	238.79	710.02	704.34	704.01	18
8	E	287.81	282.13	281.80	672.32	666.64	666.32	17
9	L	325.50	319.83	319.50	629.31	623.63	623.30	16
10	T	359.19	353.51	353.18	591.61	585.94	585.61	15
11	G	378.19	372.52	372.19	557.93	552.25	551.93	14
12	N	416.21	410.53	410.20	538.92	533.25	532.92	13
13	S	445.22	439.54	439.21	500.91	495.23	494.90	12
14	P	477.57	471.89	471.57	471.90	466.22	465.89	11
15	E	520.58	514.91	514.58	439.55	433.87	433.54	10
16	H	566.27	560.59	560.27	396.53	390.86	390.53	9
17	S	595.28	589.60	589.28	350.85	345.17	344.84	8
18	L	632.97	627.30	626.97	321.83	316.16	315.83	7
19	F	682.00	676.32	675.99	284.14	278.46	278.14	6
20	D	720.34	714.66	714.34	235.12	229.44	229.11	5
21	K*	777.04	771.37	771.04	196.77	191.10	190.77	4
22	E	820.06	814.38	814.05	140.07	134.40	134.07	3
23	N	858.07	852.39	852.07	97.06	91.38	91.06	2
24	R	-	-	-	59.04	53.37	53.04	1

-

1401.67 K.YVSEK*YPMNTK.M
 psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 1609 - 1620
 #1369-1369 NL: 2.86E2

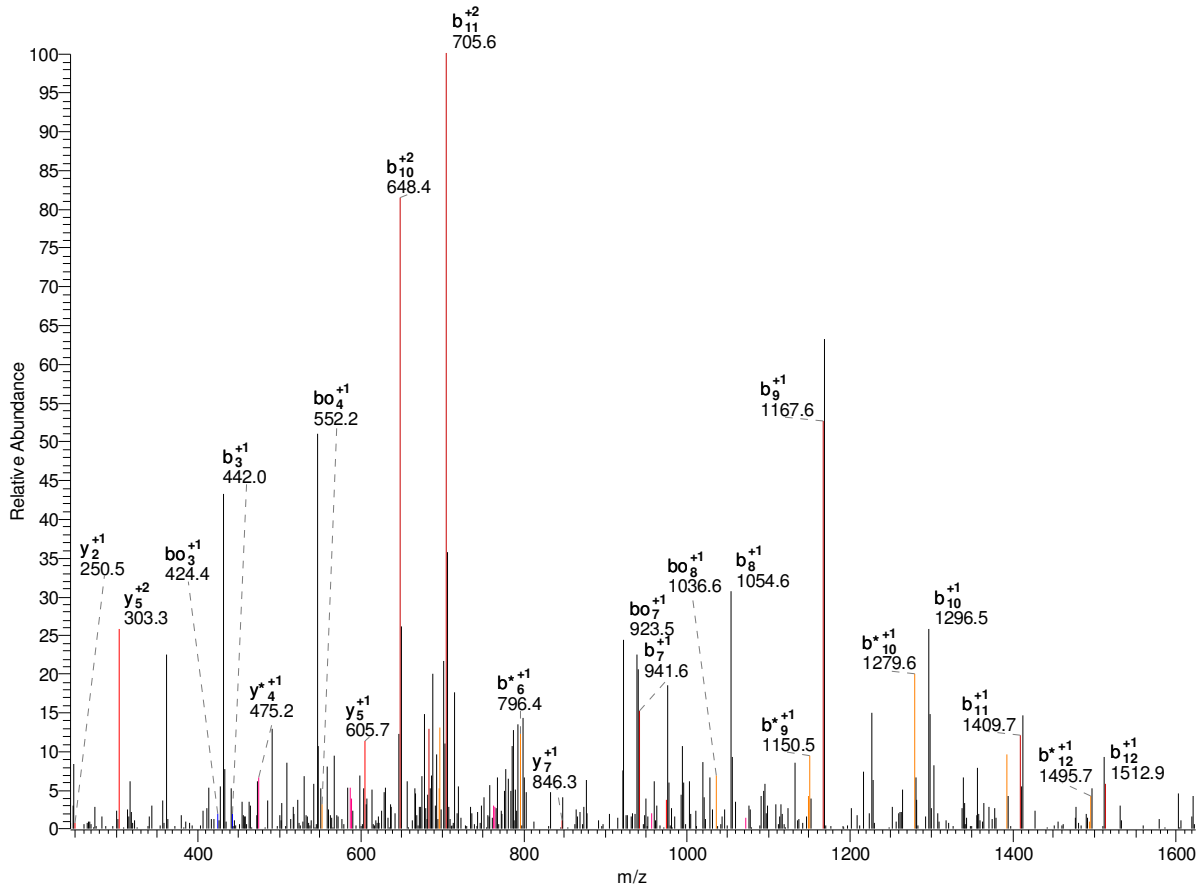


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	11
2	V	263.14	246.11	245.13	1238.61	1221.58	1220.60	10
3	S	350.17	333.14	332.16	1139.54	1122.51	1121.53	9
4	E	479.21	462.19	461.20	1052.51	1035.48	1034.50	8
5	K*	649.32	632.29	631.31	923.47	906.44	905.45	7
6	Y	812.38	795.36	794.37	753.36	736.33	735.35	6
7	P	909.44	892.41	891.42	590.30	573.27	572.29	5
8	M	1040.48	1023.45	1022.47	493.24	476.22	475.23	4
9	N	1154.52	1137.49	1136.51	362.20	345.18	344.19	3
10	T	1255.57	1238.54	1237.56	248.16	231.13	230.15	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	11
2	V	132.07	123.56	123.07	619.81	611.29	610.80	10
3	S	175.59	167.08	166.58	570.27	561.76	561.27	9
4	E	240.11	231.60	231.11	526.76	518.24	517.75	8
5	K*	325.16	316.65	316.16	462.24	453.72	453.23	7
6	Y	406.69	398.18	397.69	377.18	368.67	368.18	6
7	P	455.22	446.71	446.22	295.65	287.14	286.65	5
8	M	520.74	512.23	511.74	247.13	238.61	238.12	4

9	N	577.76	569.25	568.76	181.61	173.09	172.60	3
10	T	628.29	619.77	619.28	124.58	116.07	115.58	2
11	K	-	-	-	74.06	65.55	65.05	1

psulPF11_0194 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL11: AA#151 – 164
1658.93 0.75 K.DKR*KNEKLLEICK.S
#5315-5315 NL: 1.95E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	13
2	K	244.13	227.10	226.12	1543.90	1526.87	1525.89	12
3	R*	442.24	425.21	424.23	1415.80	1398.78	1397.79	11
4	K	570.34	553.31	552.33	1217.69	1200.67	1199.68	10
5	N	684.38	667.35	666.37	1089.60	1072.57	1071.59	9
6	E	813.42	796.39	795.41	975.55	958.53	957.54	8
7	K	941.52	924.49	923.51	846.51	829.49	828.50	7
8	L	1054.60	1037.57	1036.59	718.42	701.39	700.41	6
9	L	1167.68	1150.66	1149.67	605.33	588.31	587.32	5
10	E	1296.73	1279.70	1278.72	492.25	475.22	474.24	4
11	I	1409.81	1392.78	1391.80	363.21	346.18	345.20	3
12	C	1512.82	1495.79	1494.81	250.12	233.10	232.11	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	

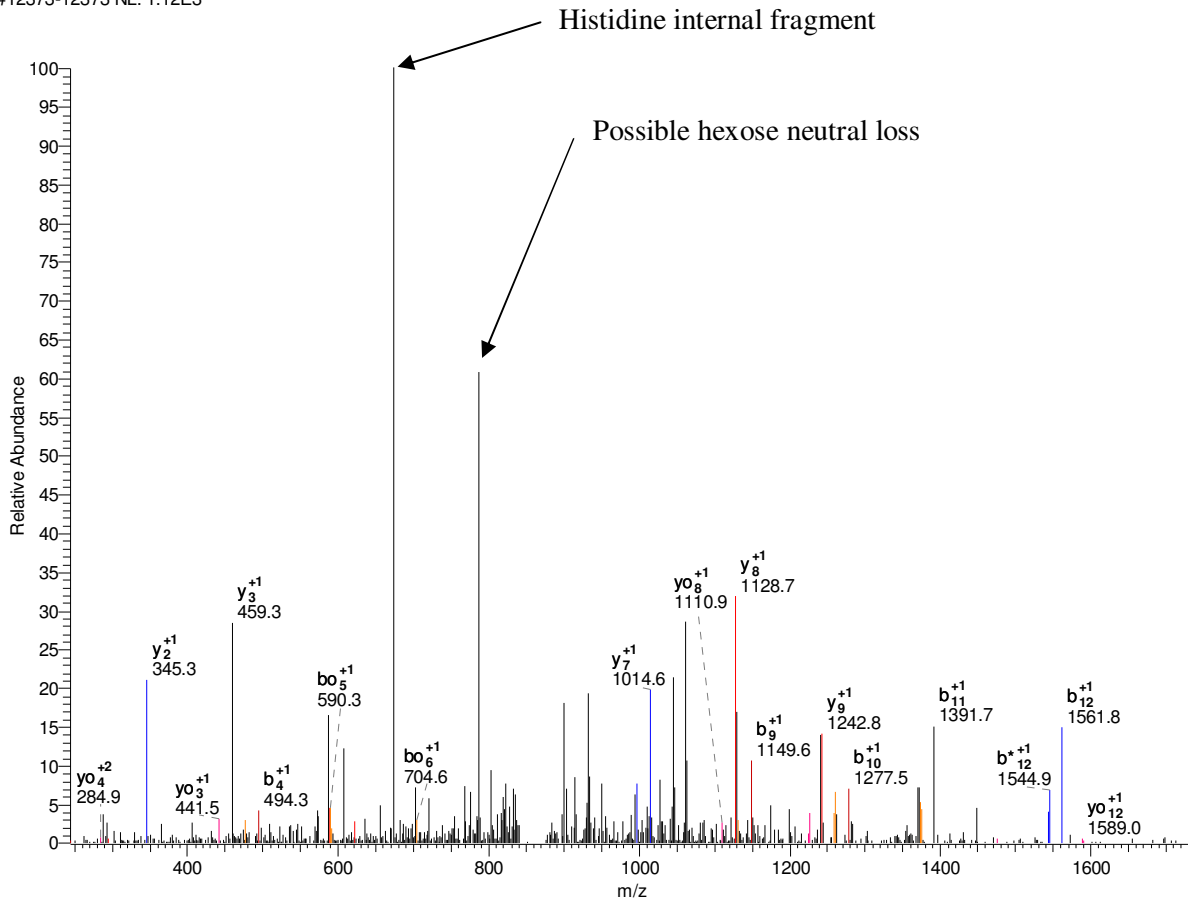
1	D	58.52	50.01	49.52	-	-	-	13
2	K	122.57	114.05	113.56	772.45	763.94	763.45	12
3	R*	221.62	213.11	212.62	708.41	699.89	699.40	11
4	K	285.67	277.16	276.67	609.35	600.84	600.34	10
5	N	342.69	334.18	333.69	545.30	536.79	536.30	9
6	E	407.21	398.70	398.21	488.28	479.77	479.28	8
7	K	471.26	462.75	462.26	423.76	415.25	414.75	7
8	L	527.80	519.29	518.80	359.71	351.20	350.71	6
9	L	584.35	575.83	575.34	303.17	294.66	294.16	5
10	E	648.87	640.35	639.86	246.63	238.11	237.62	4
11	I	705.41	696.90	696.40	182.11	173.59	173.10	3
12	C	756.91	748.40	747.91	125.56	117.05	116.56	2
13	K	-	-	-	74.06	65.55	65.05	1

psuPF11_0247 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11:

AA# 86 – 99 (Site 92 or 93 is acetylated, can't confirm result, site 97 is confirmed)

1735.92-1.09 K.ELHNNNK*KEKNK*R.N

#12373-12373 NL: 1.12E3



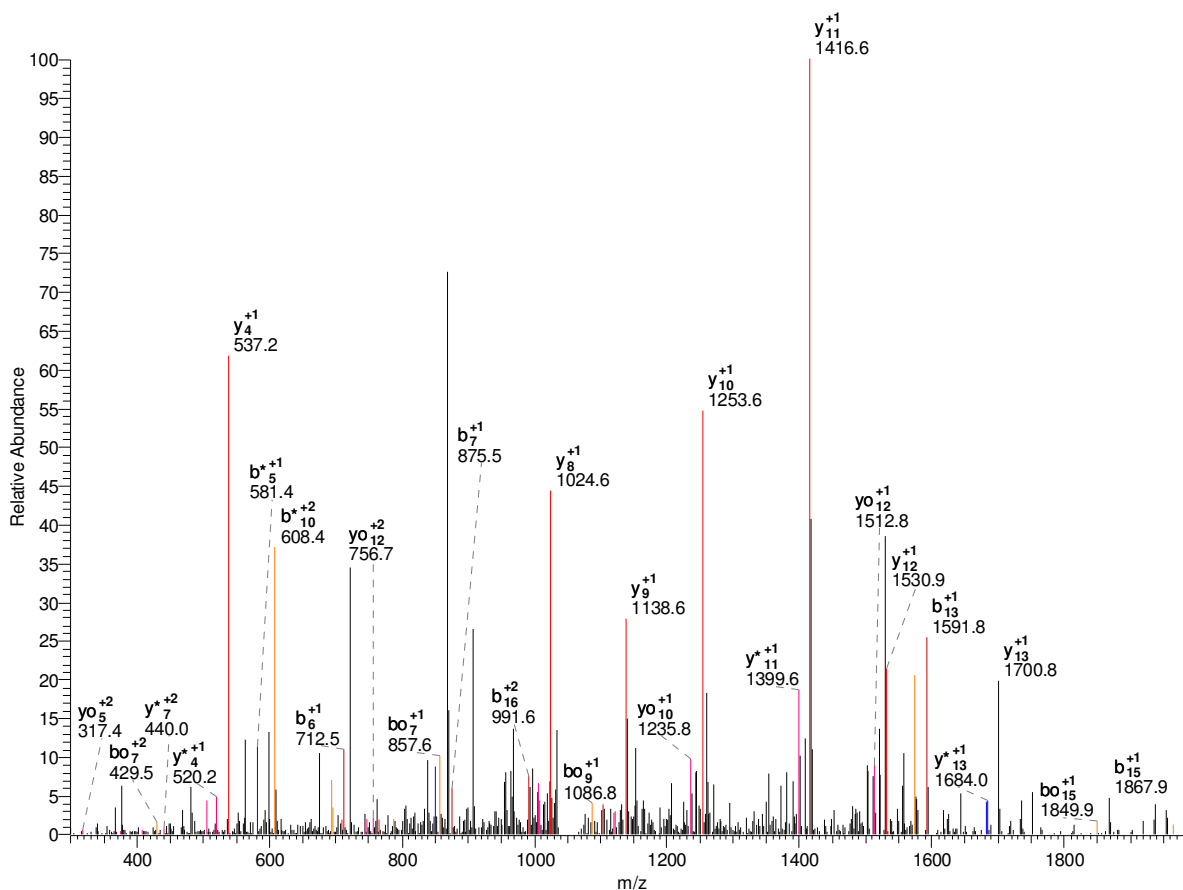
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	13
2	L	243.13	226.11	225.12	1606.88	1589.85	1588.87	12
3	H	380.19	363.17	362.18	1493.79	1476.77	1475.78	11
4	N	494.24	477.21	476.23	1356.73	1339.71	1338.72	10
5	N	608.28	591.25	590.27	1242.69	1225.66	1224.68	9

6	N	722.32	705.30	704.31	1128.65	1111.62	1110.64	8
7	K*	892.43	875.40	874.42	1014.61	997.58	996.59	7
8	K	1020.52	1003.50	1002.51	844.50	827.47	826.49	6
9	E	1149.56	1132.54	1131.55	716.40	699.38	698.39	5
10	K	1277.66	1260.63	1259.65	587.36	570.34	569.35	4
11	N	1391.70	1374.68	1373.69	459.27	442.24	441.26	3
12	K*	1561.81	1544.78	1543.80	345.22	328.20	327.21	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	13
2	L	122.07	113.56	113.07	803.94	795.43	794.94	12
3	H	190.60	182.09	181.59	747.40	738.89	738.39	11
4	N	247.62	239.11	238.62	678.87	670.36	669.87	10
5	N	304.64	296.13	295.64	621.85	613.34	612.84	9
6	N	361.66	353.15	352.66	564.83	556.31	555.82	8
7	K*	446.72	438.20	437.71	507.81	499.29	498.80	7
8	K	510.76	502.25	501.76	422.75	414.24	413.75	6
9	E	575.29	566.77	566.28	358.71	350.19	349.70	5
10	K	639.33	630.82	630.33	294.18	285.67	285.18	4
11	N	696.35	687.84	687.35	230.14	221.62	221.13	3
12	K*	781.41	772.89	772.40	173.12	164.60	164.11	2
13	R	-	-	-	88.06	79.55	79.06	1

psuPF11_0468 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL11:
AA# 183 – 200
2128.050.94 K.LK*GSK*NYDNKMNNIYNK.N

#13407-13407 NL: 1.31E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	17
2	K*	284.20	267.17	266.19	2014.97	1997.94	1996.95	16
3	G	341.22	324.19	323.21	1844.86	1827.83	1826.85	15
4	S	428.25	411.22	410.24	1787.84	1770.81	1769.83	14
5	K*	598.36	581.33	580.35	1700.81	1683.78	1682.80	13
6	N	712.40	695.37	694.39	1530.70	1513.67	1512.69	12
7	Y	875.46	858.44	857.45	1416.66	1399.63	1398.65	11
8	D	990.49	973.46	972.48	1253.59	1236.57	1235.58	10
9	N	1104.53	1087.51	1086.52	1138.57	1121.54	1120.56	9
10	K	1232.63	1215.60	1214.62	1024.52	1007.50	1006.51	8
11	M	1363.67	1346.64	1345.66	896.43	879.40	878.42	7
12	N	1477.71	1460.68	1459.70	765.39	748.36	747.38	6
13	N	1591.75	1574.73	1573.74	651.35	634.32	633.34	5
14	I	1704.84	1687.81	1686.83	537.30	520.28	519.29	4
15	Y	1867.90	1850.87	1849.89	424.22	407.19	406.21	3
16	N	1981.94	1964.92	1963.93	261.16	244.13	243.15	2
17	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	17
2	K*	142.60	134.09	133.60	1007.99	999.47	998.98	16
3	G	171.11	162.60	162.11	922.93	914.42	913.93	15
4	S	214.63	206.12	205.62	894.42	885.91	885.42	14
5	K*	299.68	291.17	290.68	850.91	842.39	841.90	13
6	N	356.70	348.19	347.70	765.85	757.34	756.85	12

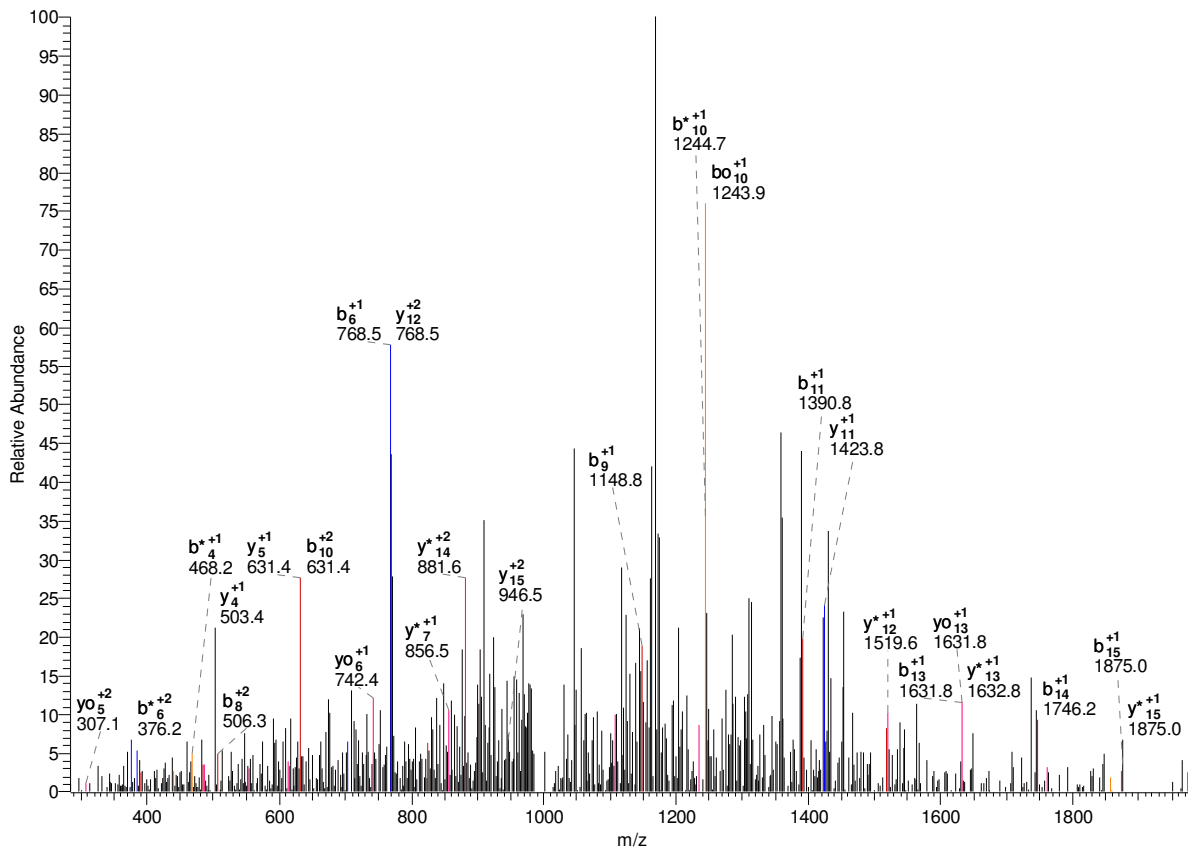
7	Y	438.23	429.72	429.23	708.83	700.32	699.83	11
8	D	495.75	487.23	486.74	627.30	618.79	618.30	10
9	N	552.77	544.26	543.76	569.79	561.27	560.78	9
10	K	616.82	608.30	607.81	512.77	504.25	503.76	8
11	M	682.34	673.82	673.33	448.72	440.21	439.71	7
12	N	739.36	730.85	730.35	383.20	374.68	374.19	6
13	N	796.38	787.87	787.38	326.18	317.66	317.17	5
14	I	852.92	844.41	843.92	269.16	260.64	260.15	4
15	Y	934.45	925.94	925.45	212.61	204.10	203.61	3
16	N	991.48	982.96	982.47	131.08	122.57	122.08	2
17	K	-	-	-	74.06	65.55	65.05	1

psulPFD0330w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | locat

AA#122 – 138

2021.130.82 K.ELELLK*KDHIEKLNEK.E

#11930-11930 NL: 2.81E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	16
2	L	243.13	226.11	225.12	1892.09	1875.06	1874.07	15
3	E	372.18	355.15	354.17	1779.00	1761.97	1760.99	14
4	L	485.26	468.23	467.25	1649.96	1632.93	1631.95	13
5	L	598.34	581.32	580.33	1536.87	1519.85	1518.86	12
6	K*	768.45	751.42	750.44	1423.79	1406.76	1405.78	11
7	K	896.55	879.52	878.53	1253.68	1236.66	1235.67	10

8	D	1011.57	994.55	993.56	1125.59	1108.56	1107.58	9
9	H	1148.63	1131.60	1130.62	1010.56	993.54	992.55	8
10	I	1261.72	1244.69	1243.70	873.50	856.48	855.49	7
11	E	1390.76	1373.73	1372.75	760.42	743.39	742.41	6
12	K	1518.85	1501.83	1500.84	631.38	614.35	613.37	5
13	L	1631.94	1614.91	1613.93	503.28	486.26	485.27	4
14	N	1745.98	1728.95	1727.97	390.20	373.17	372.19	3
15	E	1875.02	1858.00	1857.01	276.16	259.13	258.14	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	16
2	L	122.07	113.56	113.07	946.55	938.03	937.54	15
3	E	186.59	178.08	177.59	890.00	881.49	881.00	14
4	L	243.13	234.62	234.13	825.48	816.97	816.48	13
5	L	299.68	291.16	290.67	768.94	760.43	759.94	12
6	K*	384.73	376.22	375.72	712.40	703.89	703.39	11
7	K	448.78	440.26	439.77	627.35	618.83	618.34	10
8	D	506.29	497.78	497.28	563.30	554.79	554.29	9
9	H	574.82	566.31	565.81	505.79	497.27	496.78	8
10	I	631.36	622.85	622.36	437.26	428.74	428.25	7
11	E	695.88	687.37	686.88	380.71	372.20	371.71	6
12	K	759.93	751.42	750.92	316.19	307.68	307.19	5
13	L	816.47	807.96	807.47	252.14	243.63	243.14	4
14	N	873.49	864.98	864.49	195.60	187.09	186.60	3
15	E	938.01	929.50	929.01	138.58	130.07	129.58	2
16	K	-	-	-	74.06	65.55	65.05	1

Data summary:

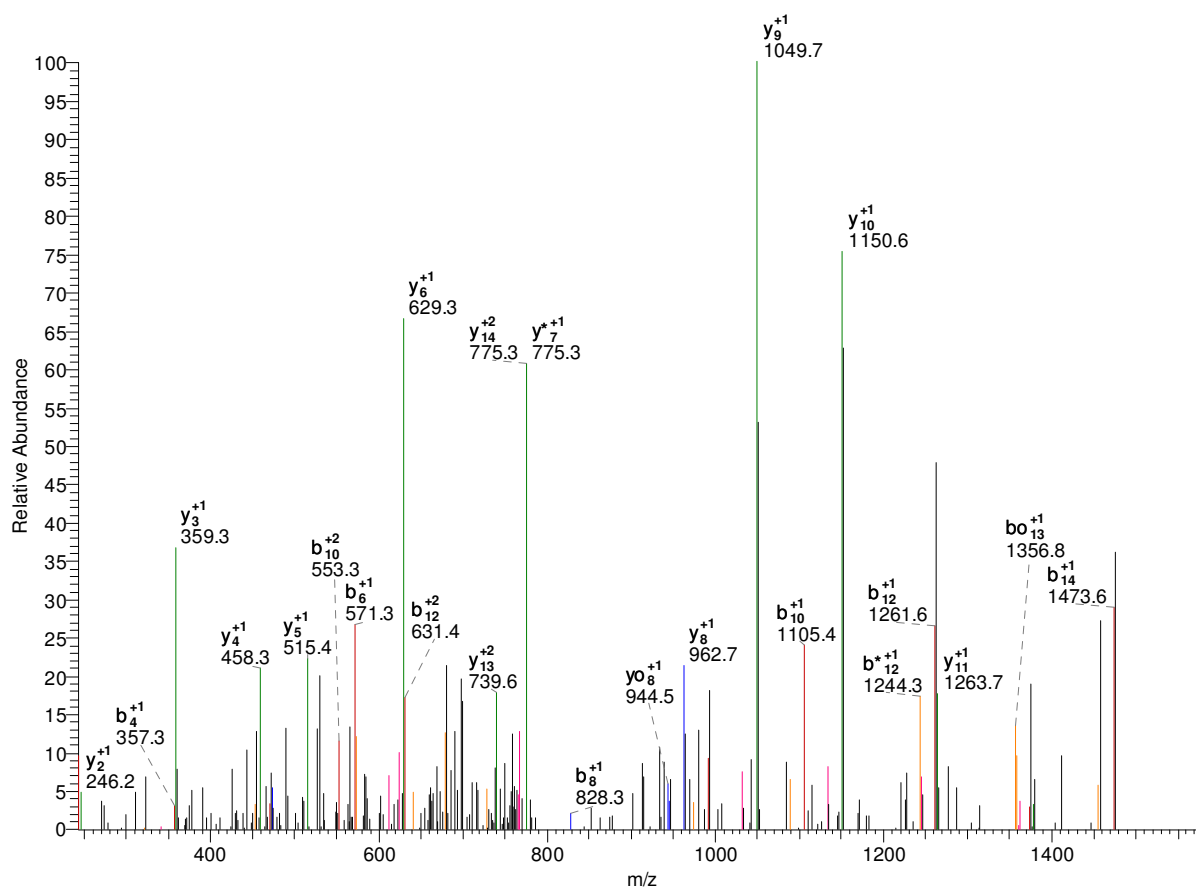
All experimental and dataset conditions for the Nuclear extract are identical to the Cyto Extract. All acetylated peptides verified in both Nuclear and Cyto extract samples are contained in the Cyto Extract document.

Acetylated peptides contain “*” for the Acetylation, “#” denotes methylation and “@” denotes Carboxyamidomethylation. All sites are verified except when followed by a note (ex. see page 12).

1619.90 K.AAVDITSK*YNGVLVK.K

psu|PFC0170c | organism=Plasmodium_falciparum_3D7 | product=dihydrolipoamide acyltransferase, putat 74 – 89

#4393-4393 NL: 7.03E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	15
2	A	143.08	126.05	125.07	1548.86	1531.84	1530.85	14
3	V	242.15	225.12	224.14	1477.83	1460.80	1459.82	13
4	D	357.18	340.15	339.17	1378.76	1361.73	1360.75	12
5	I	470.26	453.23	452.25	1263.73	1246.70	1245.72	11
6	T	571.31	554.28	553.30	1150.65	1133.62	1132.64	10

7	S	658.34	641.31	640.33	1049.60	1032.57	1031.59	9
8	K*	828.45	811.42	810.44	962.57	945.54	944.56	8
9	Y	991.51	974.48	973.50	792.46	775.43	774.45	7
10	N	1105.55	1088.53	1087.54	629.40	612.37	611.39	6
11	G	1162.57	1145.55	1144.56	515.36	498.33	497.34	5
12	V	1261.64	1244.62	1243.63	458.33	441.31	440.32	4
13	L	1374.73	1357.70	1356.72	359.27	342.24	341.25	3
14	V	1473.79	1456.77	1455.78	246.18	229.15	228.17	2
15	K	-	-	-	147.11	130.09	129.10	1

-

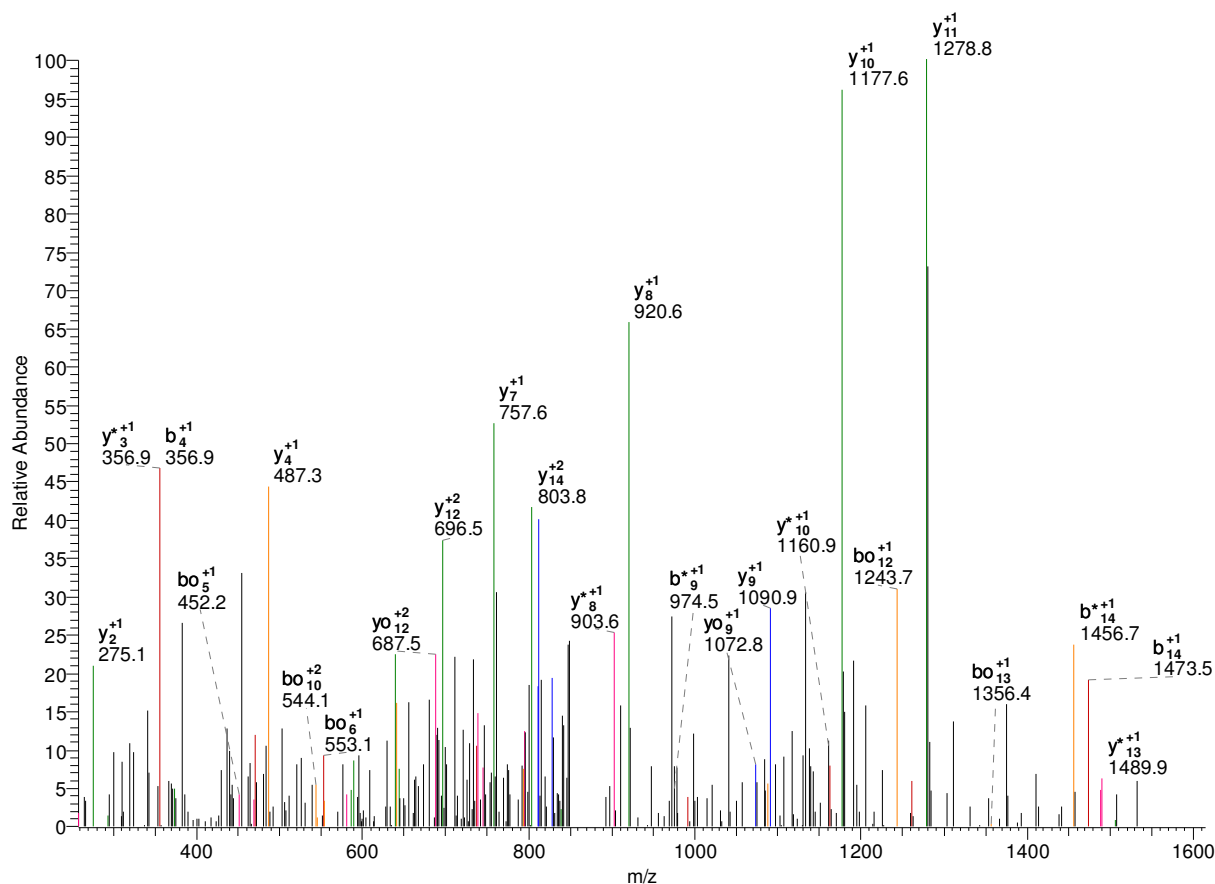
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	15
2	A	72.04	63.53	63.04	774.94	766.42	765.93	14
3	V	121.58	113.07	112.57	739.42	730.90	730.41	13
4	D	179.09	170.58	170.09	689.88	681.37	680.88	12
5	I	235.63	227.12	226.63	632.37	623.86	623.36	11
6	T	286.16	277.64	277.15	575.83	567.31	566.82	10
7	S	329.67	321.16	320.67	525.30	516.79	516.30	9
8	K*	414.73	406.21	405.72	481.79	473.27	472.78	8
9	Y	496.26	487.75	487.25	396.73	388.22	387.73	7
10	N	553.28	544.77	544.27	315.20	306.69	306.20	6
11	G	581.79	573.28	572.79	258.18	249.67	249.18	5
12	V	631.32	622.81	622.32	229.67	221.16	220.67	4
13	L	687.87	679.35	678.86	180.14	171.62	171.13	3
14	V	737.40	728.89	728.40	123.59	115.08	114.59	2
15	K	-	-	-	74.06	65.55	65.05	1

-

1748.00 K.AAVDITSK*YNGVLVKK.Y

psu|PFC0170c | organism=Plasmodium_falciparum_3D7 | product=dihydrolipoamide acyltransferase, putat 74 – 90

#4051-4051 NL: 4.19E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	16
2	A	143.08	126.05	125.07	1676.96	1659.93	1658.95	15
3	V	242.15	225.12	224.14	1605.92	1588.89	1587.91	14
4	D	357.18	340.15	339.17	1506.85	1489.83	1488.84	13
5	I	470.26	453.23	452.25	1391.83	1374.80	1373.82	12
6	T	571.31	554.28	553.30	1278.74	1261.72	1260.73	11
7	S	658.34	641.31	640.33	1177.69	1160.67	1159.68	10
8	K*	828.45	811.42	810.44	1090.66	1073.64	1072.65	9
9	Y	991.51	974.48	973.50	920.56	903.53	902.55	8
10	N	1105.55	1088.53	1087.54	757.49	740.47	739.48	7
11	G	1162.57	1145.55	1144.56	643.45	626.42	625.44	6
12	V	1261.64	1244.62	1243.63	586.43	569.40	568.42	5
13	L	1374.73	1357.70	1356.72	487.36	470.33	469.35	4
14	V	1473.79	1456.77	1455.78	374.28	357.25	356.27	3
15	K	1601.89	1584.86	1583.88	275.21	258.18	257.20	2
16	K	-	-	-	147.11	130.09	129.10	1

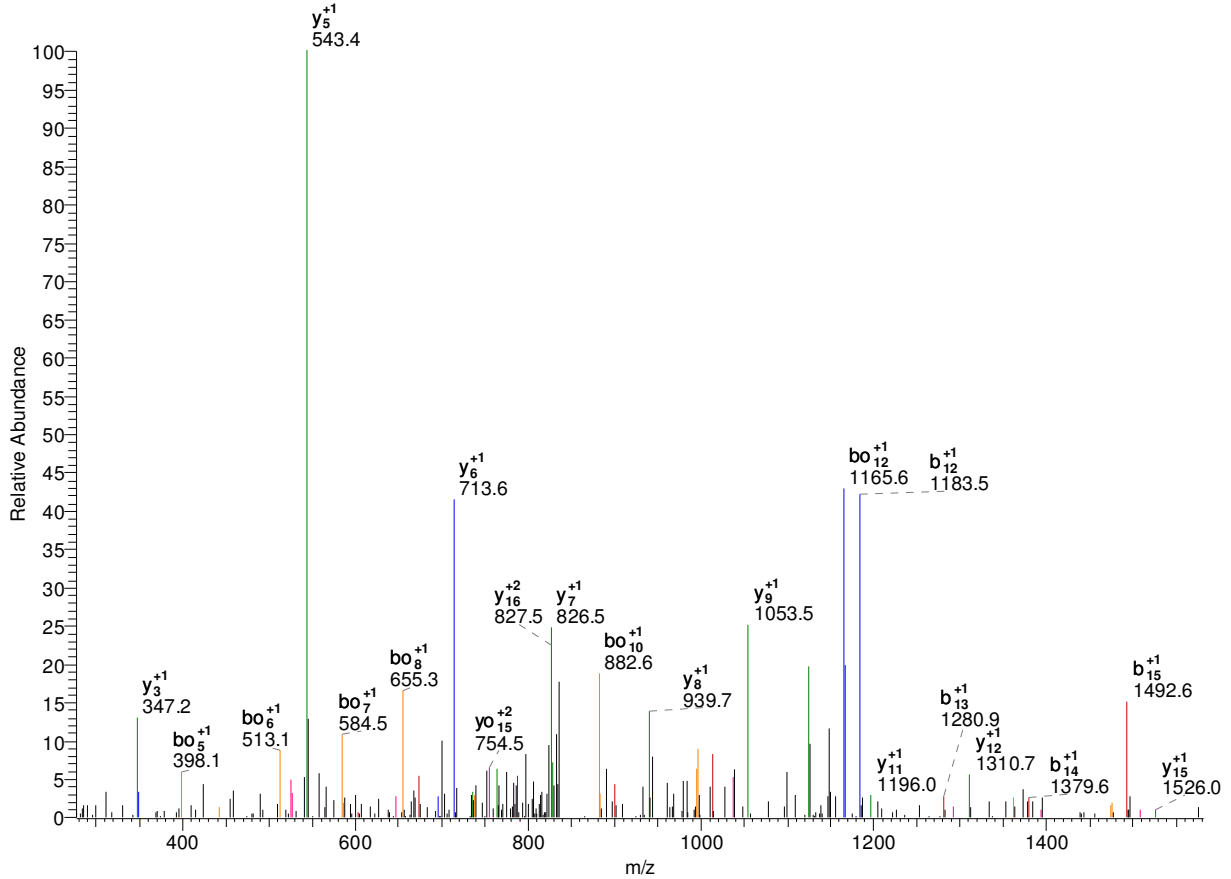
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	16
2	A	72.04	63.53	63.04	838.98	830.47	829.98	15
3	V	121.58	113.07	112.57	803.46	794.95	794.46	14
4	D	179.09	170.58	170.09	753.93	745.42	744.92	13
5	I	235.63	227.12	226.63	696.42	687.90	687.41	12
6	T	286.16	277.64	277.15	639.87	631.36	630.87	11
7	S	329.67	321.16	320.67	589.35	580.84	580.35	10
8	K*	414.73	406.21	405.72	545.83	537.32	536.83	9
9	Y	496.26	487.75	487.25	460.78	452.27	451.78	8
10	N	553.28	544.77	544.27	379.25	370.74	370.24	7
11	G	581.79	573.28	572.79	322.23	313.72	313.22	6
12	V	631.32	622.81	622.32	293.72	285.20	284.71	5
13	L	687.87	679.35	678.86	244.18	235.67	235.18	4
14	V	737.40	728.89	728.40	187.64	179.13	178.64	3
15	K	801.45	792.94	792.44	138.11	129.59	129.10	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1725.94 K.AEGGTDAANLLK*PVLISK.G

psu|PF11_0175 | organism=Plasmodium_falciparum_3D7 | product=heat shock protein 101, putative | loc 317 – 334

#5384-5384 NL: 1.24E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	17
2	E	201.09	184.06	183.08	1654.90	1637.87	1636.89	16
3	G	258.11	241.08	240.10	1525.86	1508.83	1507.85	15
4	G	315.13	298.10	297.12	1468.84	1451.81	1450.83	14
5	T	416.18	399.15	398.17	1411.82	1394.79	1393.80	13
6	D	531.20	514.18	513.19	1310.77	1293.74	1292.76	12
7	A	602.24	585.22	584.23	1195.74	1178.71	1177.73	11
8	A	673.28	656.25	655.27	1124.70	1107.68	1106.69	10
9	N	787.32	770.30	769.31	1053.67	1036.64	1035.66	9
10	L	900.41	883.38	882.40	939.62	922.60	921.61	8
11	L	1013.49	996.46	995.48	826.54	809.51	808.53	7
12	K*	1183.60	1166.57	1165.58	713.46	696.43	695.45	6
13	P	1280.65	1263.62	1262.64	543.35	526.32	525.34	5
14	V	1379.72	1362.69	1361.71	446.30	429.27	428.29	4
15	L	1492.80	1475.77	1474.79	347.23	330.20	329.22	3
16	S	1579.83	1562.81	1561.82	234.14	217.12	216.13	2
17	K	-	-	-	147.11	130.09	129.10	1

-

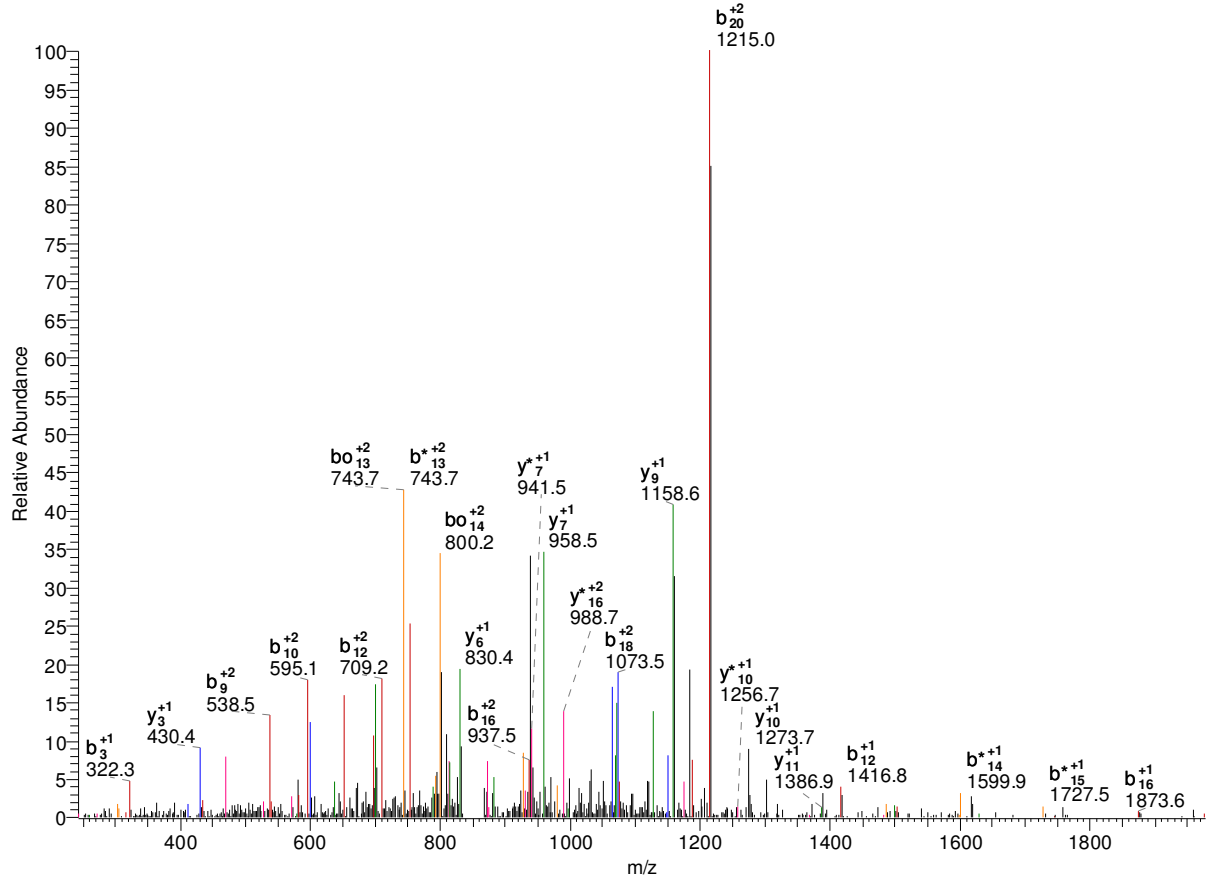
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	17
2	E	101.05	92.53	92.04	827.95	819.44	818.95	16
3	G	129.56	121.04	120.55	763.43	754.92	754.43	15
4	G	158.07	149.56	149.06	734.92	726.41	725.92	14
5	T	208.59	200.08	199.59	706.41	697.90	697.41	13
6	D	266.11	257.59	257.10	655.89	647.37	646.88	12
7	A	301.62	293.11	292.62	598.37	589.86	589.37	11
8	A	337.14	328.63	328.14	562.86	554.34	553.85	10
9	N	394.16	385.65	385.16	527.34	518.82	518.33	9
10	L	450.71	442.19	441.70	470.32	461.80	461.31	8
11	L	507.25	498.74	498.24	413.77	405.26	404.77	7
12	K*	592.30	583.79	583.30	357.23	348.72	348.23	6
13	P	640.83	632.31	631.82	272.18	263.67	263.17	5
14	V	690.36	681.85	681.36	223.65	215.14	214.65	4
15	L	746.90	738.39	737.90	174.12	165.60	165.11	3
16	S	790.42	781.91	781.41	117.58	109.06	108.57	2
17	K	-	-	-	74.06	65.55	65.05	1

-

2574.43 K.AHILFDIHQIIDSQETK*K*LK.E

psu|PF13_0287 | organism=Plasmodium_falciparum_3D7 | product=adenylosuccinate synthetase | location 112 – 133

#9223-9223 NL: 9.79E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	21
2	H	209.10	192.08	191.09	2503.39	2486.37	2485.38	20
3	I	322.19	305.16	304.18	2366.33	2349.31	2348.32	19
4	L	435.27	418.24	417.26	2253.25	2236.22	2235.24	18
5	F	582.34	565.31	564.33	2140.16	2123.14	2122.15	17
6	D	697.37	680.34	679.36	1993.10	1976.07	1975.09	16
7	I	810.45	793.42	792.44	1878.07	1861.04	1860.06	15
8	H	947.51	930.48	929.50	1764.99	1747.96	1746.97	14
9	Q	1075.57	1058.54	1057.56	1627.93	1610.90	1609.92	13
10	I	1188.65	1171.63	1170.64	1499.87	1482.84	1481.86	12
11	I	1301.74	1284.71	1283.73	1386.78	1369.76	1368.77	11
12	D	1416.76	1399.74	1398.75	1273.70	1256.67	1255.69	10
13	S	1503.80	1486.77	1485.78	1158.67	1141.65	1140.66	9
14	I	1616.88	1599.85	1598.87	1071.64	1054.61	1053.63	8
15	Q	1744.94	1727.91	1726.93	958.56	941.53	940.55	7
16	E	1873.98	1856.95	1855.97	830.50	813.47	812.49	6
17	T	1975.03	1958.00	1957.02	701.46	684.43	683.45	5
18	K*	2145.13	2128.11	2127.12	600.41	583.38	582.40	4

19	K*	2315.24	2298.21	2297.23	430.30	413.28	412.29	3
20	L	2428.32	2411.30	2410.31	260.20	243.17	242.19	2
21	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	21
2	H	105.06	96.54	96.05	1252.20	1243.69	1243.19	20
3	I	161.60	153.08	152.59	1183.67	1175.16	1174.66	19
4	L	218.14	209.63	209.13	1127.13	1118.61	1118.12	18
5	F	291.67	283.16	282.67	1070.59	1062.07	1061.58	17
6	D	349.19	340.67	340.18	997.05	988.54	988.05	16
7	I	405.73	397.22	396.72	939.54	931.03	930.53	15
8	H	474.26	465.75	465.25	883.00	874.48	873.99	14
9	Q	538.29	529.77	529.28	814.47	805.95	805.46	13
10	I	594.83	586.32	585.82	750.44	741.92	741.43	12
11	I	651.37	642.86	642.37	693.90	685.38	684.89	11
12	D	708.89	700.37	699.88	637.35	628.84	628.35	10
13	S	752.40	743.89	743.40	579.84	571.33	570.83	9
14	I	808.94	800.43	799.94	536.32	527.81	527.32	8
15	Q	872.97	864.46	863.97	479.78	471.27	470.78	7
16	E	937.49	928.98	928.49	415.75	407.24	406.75	6
17	T	988.02	979.50	979.01	351.23	342.72	342.23	5
18	K*	1073.07	1064.56	1064.07	300.71	292.19	291.70	4
19	K*	1158.12	1149.61	1149.12	215.65	207.14	206.65	3
20	L	1214.67	1206.15	1205.66	130.60	122.09	121.60	2
21	K	-	-	-	74.06	65.55	65.05	1

-

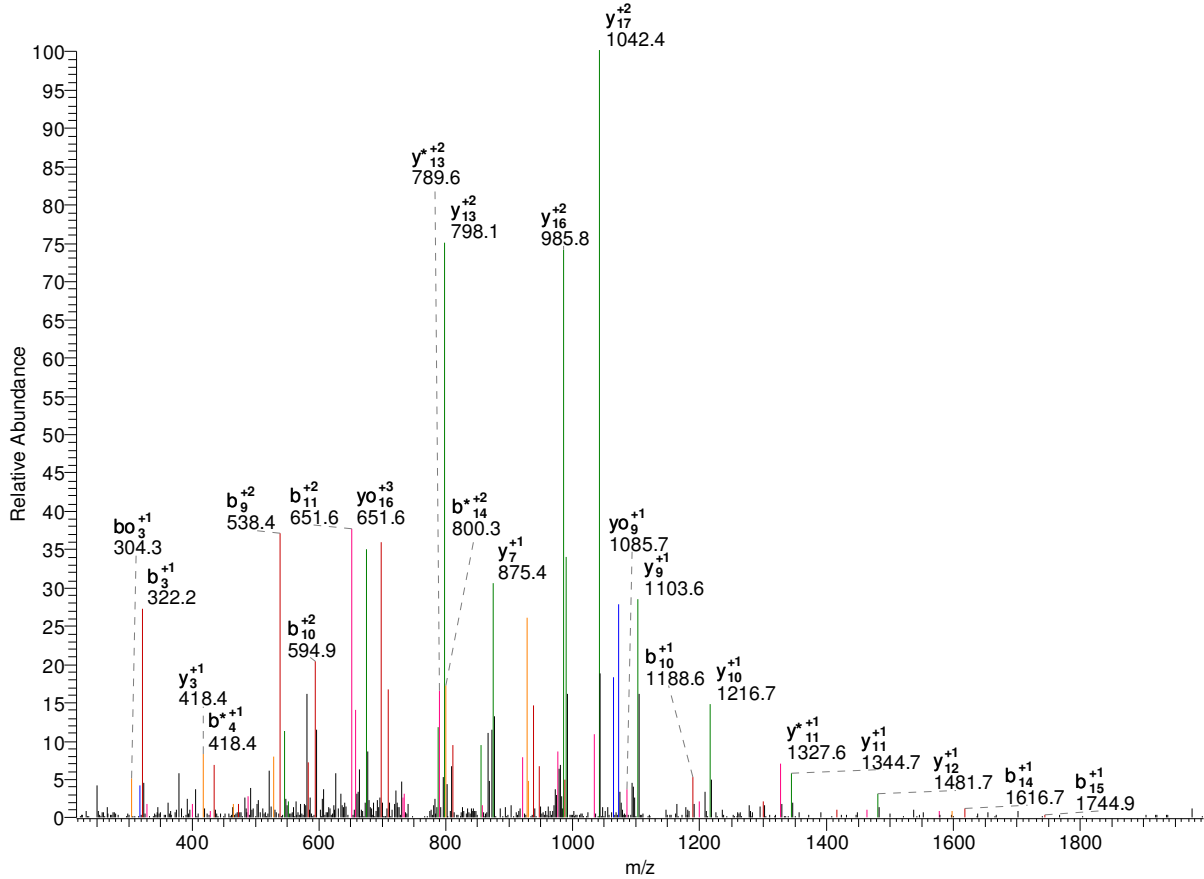
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	A	24.69	19.01	18.68	-	-	-	21
2	H	70.37	64.70	64.37	835.14	829.46	829.13	20
3	I	108.07	102.39	102.06	789.45	783.77	783.45	19
4	L	145.76	140.09	139.76	751.75	746.08	745.75	18
5	F	194.78	189.11	188.78	714.06	708.38	708.06	17
6	D	233.13	227.45	227.12	665.04	659.36	659.03	16
7	I	270.82	265.15	264.82	626.69	621.02	620.69	15
8	H	316.51	310.83	310.50	589.00	583.32	583.00	14
9	Q	359.19	353.52	353.19	543.31	537.64	537.31	13
10	I	396.89	391.21	390.89	500.63	494.95	494.62	12
11	I	434.58	428.91	428.58	462.93	457.26	456.93	11
12	D	472.93	467.25	466.92	425.24	419.56	419.23	10
13	S	501.94	496.26	495.93	386.90	381.22	380.89	9
14	I	539.63	533.96	533.63	357.89	352.21	351.88	8
15	Q	582.32	576.64	576.31	320.19	314.51	314.19	7
16	E	625.33	619.66	619.33	277.50	271.83	271.50	6
17	T	659.01	653.34	653.01	234.49	228.81	228.49	5
18	K*	715.72	710.04	709.71	200.81	195.13	194.80	4
19	K*	772.42	766.74	766.41	144.11	138.43	138.10	3
20	L	810.11	804.44	804.11	87.40	81.73	81.40	2
21	K	-	-	-	49.71	44.03	43.71	1

-

2291.24 K.AHILFDIHQIIDSQETK*K.L

psu|PF13_0287 | organism=Plasmodium_falciparum_3D7 | product=adenylosuccinate synthetase | location 112 – 131

#9161-9161 NL:9.78E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	19
2	H	209.10	192.08	191.09	2220.20	2203.18	2202.19	18
3	I	322.19	305.16	304.18	2083.14	2066.12	2065.13	17
4	L	435.27	418.24	417.26	1970.06	1953.03	1952.05	16
5	F	582.34	565.31	564.33	1856.98	1839.95	1838.96	15
6	D	697.37	680.34	679.36	1709.91	1692.88	1691.90	14
7	I	810.45	793.42	792.44	1594.88	1577.85	1576.87	13
8	H	947.51	930.48	929.50	1481.80	1464.77	1463.79	12
9	Q	1075.57	1058.54	1057.56	1344.74	1327.71	1326.73	11
10	I	1188.65	1171.63	1170.64	1216.68	1199.65	1198.67	10
11	I	1301.74	1284.71	1283.73	1103.59	1086.57	1085.58	9
12	D	1416.76	1399.74	1398.75	990.51	973.48	972.50	8
13	S	1503.80	1486.77	1485.78	875.48	858.46	857.47	7
14	I	1616.88	1599.85	1598.87	788.45	771.42	770.44	6
15	Q	1744.94	1727.91	1726.93	675.37	658.34	657.36	5
16	E	1873.98	1856.95	1855.97	547.31	530.28	529.30	4
17	T	1975.03	1958.00	1957.02	418.27	401.24	400.26	3
18	K*	2145.13	2128.11	2127.12	317.22	300.19	299.21	2

19	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	19
2	H	105.06	96.54	96.05	1110.60	1102.09	1101.60	18
3	I	161.60	153.08	152.59	1042.08	1033.56	1033.07	17
4	L	218.14	209.63	209.13	985.53	977.02	976.53	16
5	F	291.67	283.16	282.67	928.99	920.48	919.99	15
6	D	349.19	340.67	340.18	855.46	846.94	846.45	14
7	I	405.73	397.22	396.72	797.94	789.43	788.94	13
8	H	474.26	465.75	465.25	741.40	732.89	732.40	12
9	Q	538.29	529.77	529.28	672.87	664.36	663.87	11
10	I	594.83	586.32	585.82	608.84	600.33	599.84	10
11	I	651.37	642.86	642.37	552.30	543.79	543.30	9
12	D	708.89	700.37	699.88	495.76	487.25	486.75	8
13	S	752.40	743.89	743.40	438.25	429.73	429.24	7
14	I	808.94	800.43	799.94	394.73	386.22	385.72	6
15	Q	872.97	864.46	863.97	338.19	329.67	329.18	5
16	E	937.49	928.98	928.49	274.16	265.64	265.15	4
17	T	988.02	979.50	979.01	209.64	201.12	200.63	3
18	K*	1073.07	1064.56	1064.07	159.11	150.60	150.11	2
19	K	-	-	-	74.06	65.55	65.05	1

-

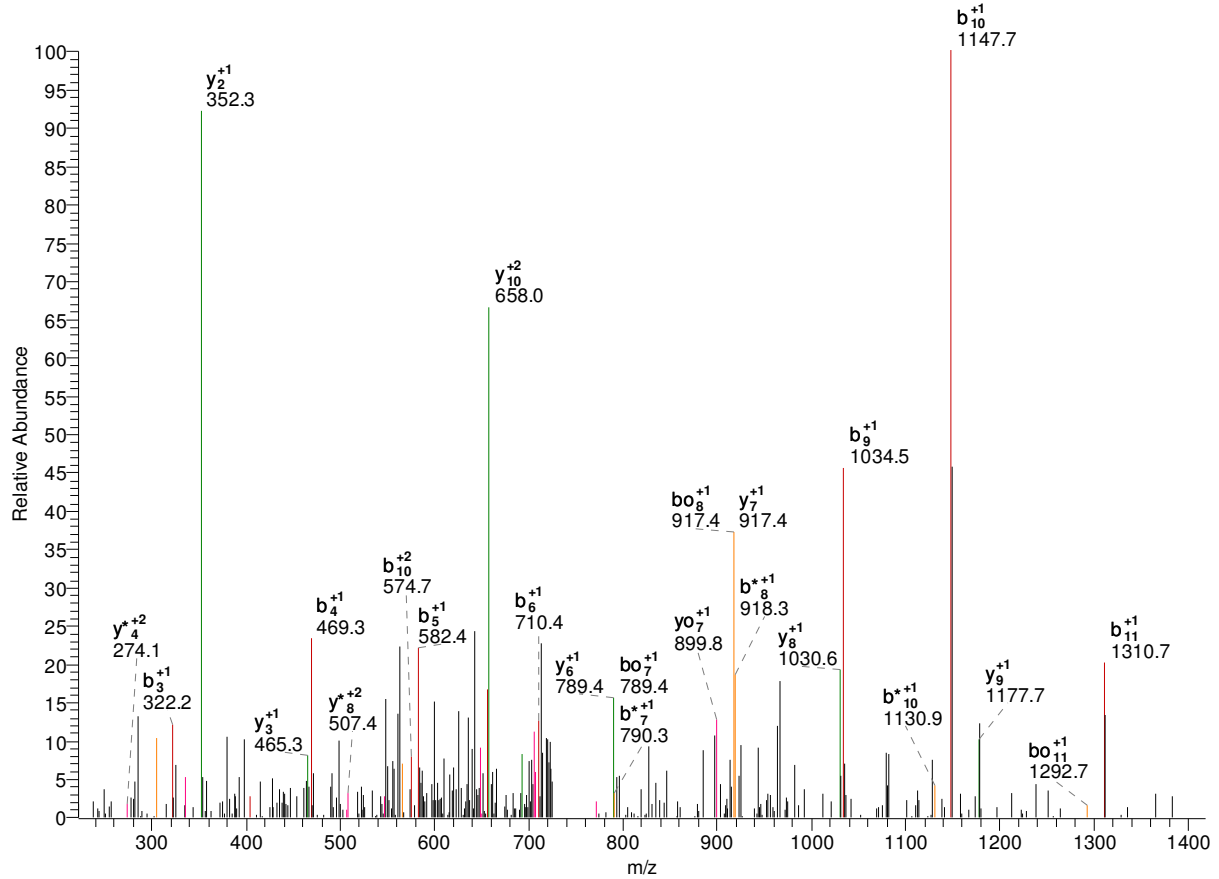
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	A	24.69	19.01	18.68	-	-	-	19
2	H	70.37	64.70	64.37	740.74	735.06	734.74	18
3	I	108.07	102.39	102.06	695.05	689.38	689.05	17
4	L	145.76	140.09	139.76	657.36	651.68	651.35	16
5	F	194.78	189.11	188.78	619.66	613.99	613.66	15
6	D	233.13	227.45	227.12	570.64	564.96	564.64	14
7	I	270.82	265.15	264.82	532.30	526.62	526.29	13
8	H	316.51	310.83	310.50	494.60	488.93	488.60	12
9	Q	359.19	353.52	353.19	448.92	443.24	442.91	11
10	I	396.89	391.21	390.89	406.23	400.56	400.23	10
11	I	434.58	428.91	428.58	368.54	362.86	362.53	9
12	D	472.93	467.25	466.92	330.84	325.17	324.84	8
13	S	501.94	496.26	495.93	292.50	286.82	286.50	7
14	I	539.63	533.96	533.63	263.49	257.81	257.49	6
15	Q	582.32	576.64	576.31	225.79	220.12	219.79	5
16	E	625.33	619.66	619.33	183.11	177.43	177.10	4
17	T	659.01	653.34	653.01	140.09	134.42	134.09	3
18	K*	715.72	710.04	709.71	106.41	100.74	100.41	2
19	K	-	-	-	49.71	44.03	43.71	1

-

1498.88 K.AIHFIKPQVIYK*.G

psu|PF08_0034 | organism=Plasmodium_falciparum_3D7 | product=histone acetyltransferase Gcn5, putati 1325 – 1337

#5250-5250 NL: 1.16E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	12
2	I	185.13	168.10	167.12	1427.84	1410.81	1409.83	11
3	H	322.19	305.16	304.18	1314.76	1297.73	1296.75	10
4	F	469.26	452.23	451.25	1177.70	1160.67	1159.69	9
5	I	582.34	565.31	564.33	1030.63	1013.60	1012.62	8
6	K	710.43	693.41	692.42	917.55	900.52	899.53	7
7	P	807.49	790.46	789.48	789.45	772.42	771.44	6
8	Q	935.55	918.52	917.54	692.40	675.37	674.39	5
9	V	1034.61	1017.59	1016.60	564.34	547.31	546.33	4
10	I	1147.70	1130.67	1129.69	465.27	448.24	447.26	3
11	Y	1310.76	1293.74	1292.75	352.19	335.16	334.18	2
12	K*	-	-	-	189.12	172.10	171.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	12
2	I	93.07	84.55	84.06	714.42	705.91	705.42	11

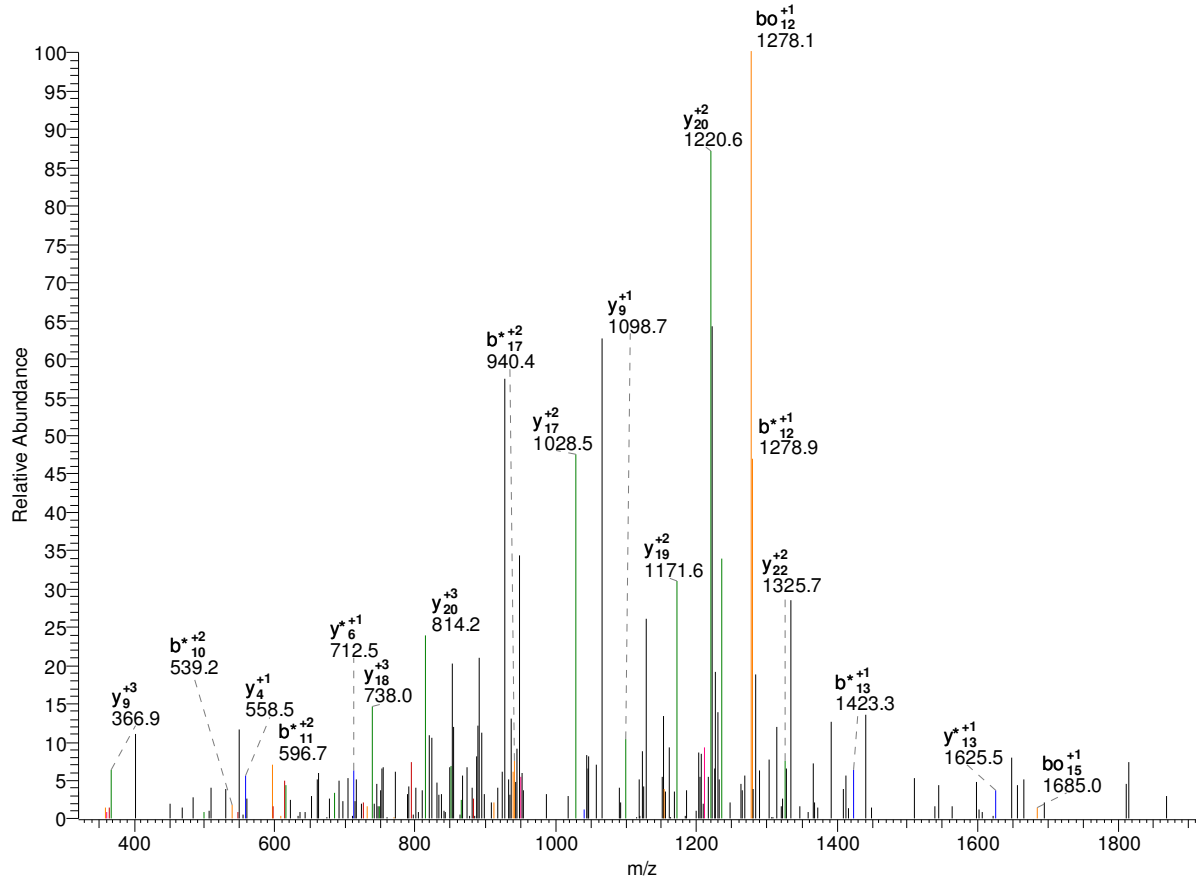
3	H	161.60	153.08	152.59	657.88	649.37	648.88	10
4	F	235.13	226.62	226.13	589.35	580.84	580.35	9
5	I	291.67	283.16	282.67	515.82	507.31	506.81	8
6	K	355.72	347.21	346.72	459.28	450.76	450.27	7
7	P	404.25	395.73	395.24	395.23	386.72	386.22	6
8	Q	468.28	459.76	459.27	346.70	338.19	337.70	5
9	V	517.81	509.30	508.81	282.67	274.16	273.67	4
10	I	574.35	565.84	565.35	233.14	224.63	224.13	3
11	Y	655.88	647.37	646.88	176.60	168.08	167.59	2
12	K*	-	-	-	95.07	86.55	86.06	1

-

2937.54 K.ALCPIVERLVNSM#MMHGR*NNGK*KLK.A Lysine Acetylation not verified, only Arginine

psu|PF07_0088 | organism=Plasmodium_falciparum_3D7 | product=40S ribosomal protein S5, putative | I 54 – 79

#6099-6099 NL: 5.02E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	25
2	L	185.13	168.10	167.12	2866.50	2849.48	2848.49	24
3	C	288.14	271.11	270.13	2753.42	2736.39	2735.41	23
4	P	385.19	368.16	367.18	2650.41	2633.38	2632.40	22
5	I	498.27	481.25	480.26	2553.36	2536.33	2535.35	21
6	V	597.34	580.32	579.33	2440.27	2423.25	2422.26	20
7	E	726.39	709.36	708.37	2341.20	2324.18	2323.19	19
8	R	882.49	865.46	864.48	2212.16	2195.14	2194.15	18
9	L	995.57	978.54	977.56	2056.06	2039.03	2038.05	17
10	V	1094.64	1077.61	1076.63	1942.98	1925.95	1924.97	16
11	N	1208.68	1191.66	1190.67	1843.91	1826.88	1825.90	15
12	S	1295.71	1278.69	1277.70	1729.87	1712.84	1711.86	14
13	M#	1440.77	1423.74	1422.76	1642.83	1625.81	1624.82	13
14	M	1571.81	1554.78	1553.80	1497.78	1480.75	1479.77	12
15	M	1702.85	1685.82	1684.84	1366.74	1349.71	1348.73	11
16	H	1839.91	1822.88	1821.90	1235.70	1218.67	1217.69	10
17	G	1896.93	1879.90	1878.92	1098.64	1081.61	1080.63	9

18	R*	2095.04	2078.02	2077.03	1041.62	1024.59	1023.61	8
19	N	2209.09	2192.06	2191.08	843.50	826.48	825.49	7
20	N	2323.13	2306.10	2305.12	729.46	712.44	711.45	6
21	G	2380.15	2363.12	2362.14	615.42	598.39	597.41	5
22	K*	2550.26	2533.23	2532.25	558.40	541.37	540.39	4
23	K	2678.35	2661.32	2660.34	388.29	371.27	370.28	3
24	L	2791.44	2774.41	2773.42	260.20	243.17	242.19	2
25	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	25
2	L	93.07	84.55	84.06	1433.76	1425.24	1424.75	24
3	C	144.57	136.06	135.57	1377.21	1368.70	1368.21	23
4	P	193.10	184.59	184.09	1325.71	1317.20	1316.70	22
5	I	249.64	241.13	240.64	1277.18	1268.67	1268.18	21
6	V	299.18	290.66	290.17	1220.64	1212.13	1211.64	20
7	E	363.70	355.18	354.69	1171.11	1162.59	1162.10	19
8	R	441.75	433.23	432.74	1106.58	1098.07	1097.58	18
9	L	498.29	489.78	489.28	1028.53	1020.02	1019.53	17
10	V	547.82	539.31	538.82	971.99	963.48	962.99	16
11	N	604.84	596.33	595.84	922.46	913.94	913.45	15
12	S	648.36	639.85	639.36	865.44	856.92	856.43	14
13	M#	720.89	712.38	711.88	821.92	813.41	812.92	13
14	M	786.41	777.90	777.40	749.39	740.88	740.39	12
15	M	851.93	843.42	842.92	683.87	675.36	674.87	11
16	H	920.46	911.95	911.45	618.35	609.84	609.35	10
17	G	948.97	940.46	939.96	549.82	541.31	540.82	9
18	R*	1048.03	1039.51	1039.02	521.31	512.80	512.31	8
19	N	1105.05	1096.53	1096.04	422.26	413.74	413.25	7
20	N	1162.07	1153.55	1153.06	365.23	356.72	356.23	6
21	G	1190.58	1182.07	1181.57	308.21	299.70	299.21	5
22	K*	1275.63	1267.12	1266.63	279.70	271.19	270.70	4
23	K	1339.68	1331.17	1330.67	194.65	186.14	185.64	3
24	L	1396.22	1387.71	1387.22	130.60	122.09	121.60	2
25	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	A	24.69	19.01	18.68	-	-	-	25
2	L	62.38	56.71	56.38	956.17	950.50	950.17	24
3	C	96.72	91.04	90.71	918.48	912.80	912.47	23
4	P	129.07	123.39	123.06	884.14	878.47	878.14	22
5	I	166.76	161.09	160.76	851.79	846.12	845.79	21
6	V	199.79	194.11	193.78	814.10	808.42	808.09	20
7	E	242.80	237.12	236.80	781.07	775.40	775.07	19
8	R	294.83	289.16	288.83	738.06	732.38	732.06	18
9	L	332.53	326.85	326.52	686.03	680.35	680.02	17
10	V	365.55	359.88	359.55	648.33	642.66	642.33	16
11	N	403.57	397.89	397.56	615.31	609.63	609.30	15
12	S	432.58	426.90	426.57	577.29	571.62	571.29	14
13	M#	480.93	475.25	474.92	548.28	542.61	542.28	13
14	M	524.61	518.93	518.60	499.93	494.26	493.93	12
15	M	568.29	562.61	562.29	456.25	450.58	450.25	11
16	H	613.97	608.30	607.97	412.57	406.89	406.57	10
17	G	632.98	627.31	626.98	366.88	361.21	360.88	9

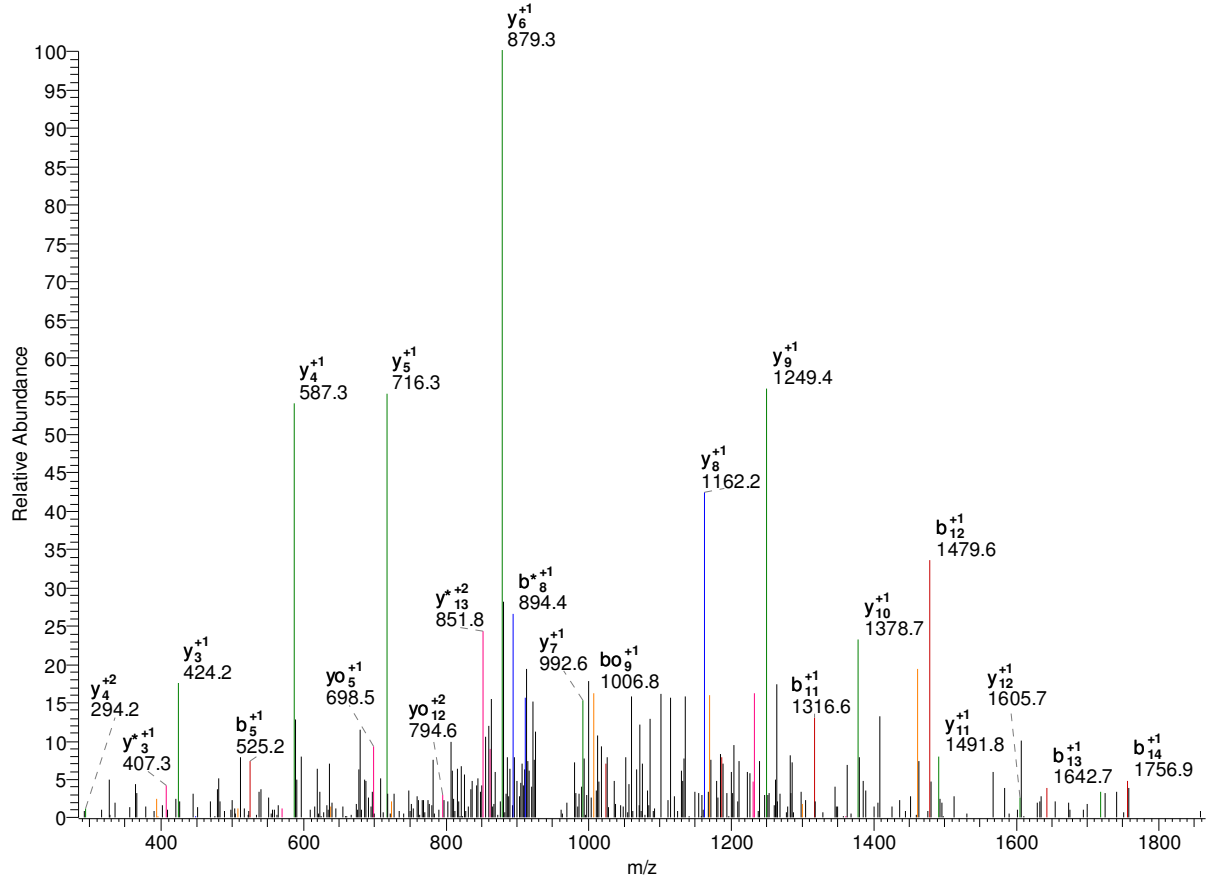
18	R*	699.02	693.34	693.02	347.88	342.20	341.87	8
19	N	737.03	731.36	731.03	281.84	276.16	275.84	7
20	N	775.05	769.37	769.04	243.83	238.15	237.82	6
21	G	794.06	788.38	788.05	205.81	200.14	199.81	5
22	K*	850.76	845.08	844.75	186.80	181.13	180.80	4
23	K	893.46	887.78	887.45	130.10	124.43	124.10	3
24	L	931.15	925.47	925.15	87.40	81.73	81.40	2
25	K	-	-	-	49.71	44.03	43.71	1

-

1902.98 K.ALLNLESK*LYEYYNK.H

psu|PF14_0105 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 209 – 224

#7572-7572 NL: 8.53E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	15
2	L	185.13	168.10	167.12	1831.95	1814.92	1813.94	14
3	L	298.21	281.19	280.20	1718.86	1701.84	1700.85	13
4	N	412.26	395.23	394.24	1605.78	1588.75	1587.77	12
5	L	525.34	508.31	507.33	1491.74	1474.71	1473.73	11
6	E	654.38	637.36	636.37	1378.65	1361.63	1360.64	10
7	S	741.41	724.39	723.40	1249.61	1232.58	1231.60	9
8	K*	911.52	894.49	893.51	1162.58	1145.55	1144.57	8
9	L	1024.60	1007.58	1006.59	992.47	975.45	974.46	7
10	Y	1187.67	1170.64	1169.66	879.39	862.36	861.38	6
11	E	1316.71	1299.68	1298.70	716.32	699.30	698.31	5
12	Y	1479.77	1462.75	1461.76	587.28	570.26	569.27	4
13	Y	1642.84	1625.81	1624.83	424.22	407.19	406.21	3
14	N	1756.88	1739.85	1738.87	261.16	244.13	243.15	2
15	K	-	-	-	147.11	130.09	129.10	1

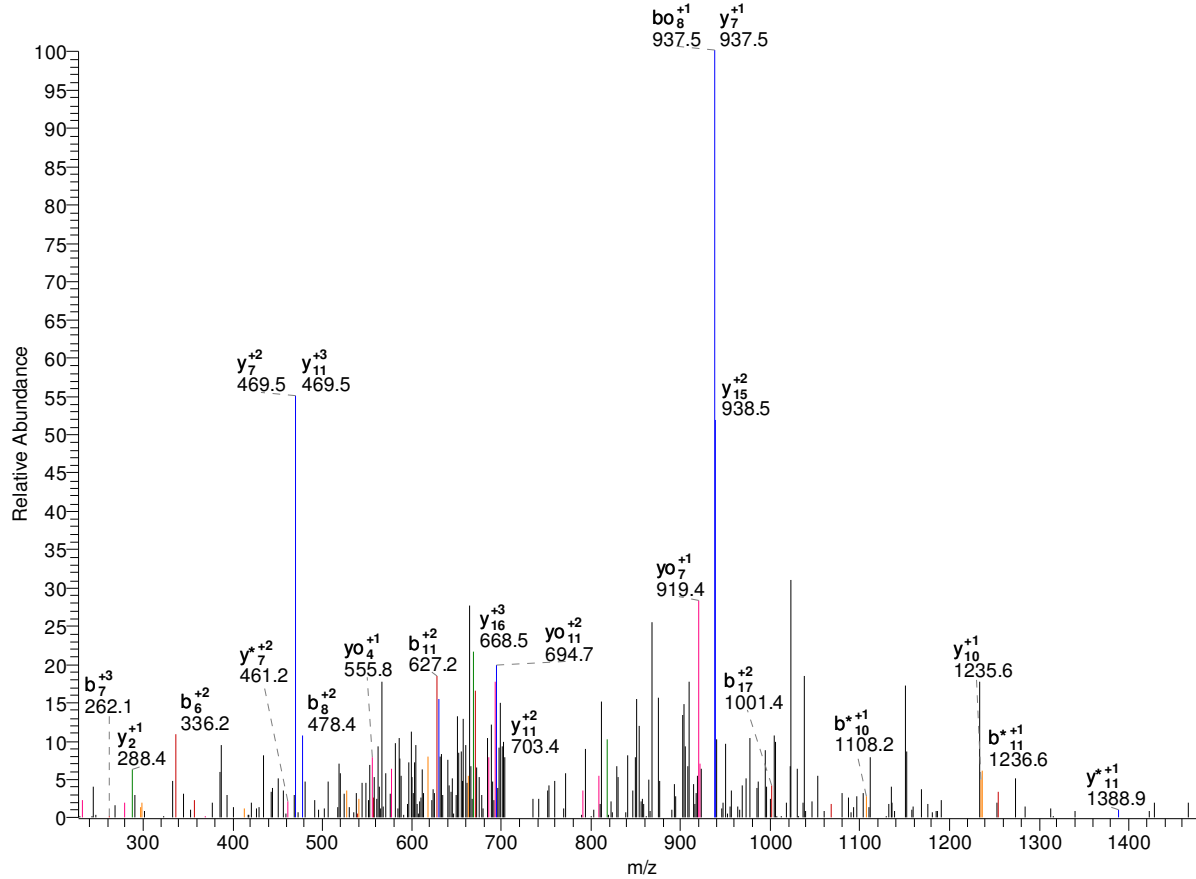
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	15
2	L	93.07	84.55	84.06	916.48	907.96	907.47	14
3	L	149.61	141.10	140.60	859.94	851.42	850.93	13
4	N	206.63	198.12	197.63	803.39	794.88	794.39	12
5	L	263.17	254.66	254.17	746.37	737.86	737.37	11
6	E	327.69	319.18	318.69	689.83	681.32	680.82	10
7	S	371.21	362.70	362.21	625.31	616.80	616.30	9
8	K*	456.26	447.75	447.26	581.79	573.28	572.79	8
9	L	512.81	504.29	503.80	496.74	488.23	487.73	7
10	Y	594.34	585.82	585.33	440.20	431.68	431.19	6
11	E	658.86	650.35	649.85	358.67	350.15	349.66	5
12	Y	740.39	731.88	731.38	294.14	285.63	285.14	4
13	Y	821.92	813.41	812.92	212.61	204.10	203.61	3
14	N	878.94	870.43	869.94	131.08	122.57	122.08	2
15	K	-	-	-	74.06	65.55	65.05	1

-

2190.18 K.DAKELLDK*IGQQVHDK*VK*.S

psu|PFL1960w | organism=Plasmodium_falciparum_3D7 | product=erythrocyte membrane protein 1 (PfEMP1) 14 – 32

#6117-6117 NL: 7.16E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	18
2	A	187.07	170.04	169.06	2075.15	2058.12	2057.14	17
3	K	315.17	298.14	297.16	2004.11	1987.09	1986.10	16
4	E	444.21	427.18	426.20	1876.02	1858.99	1858.01	15
5	L	557.29	540.27	539.28	1746.97	1729.95	1728.96	14
6	L	670.38	653.35	652.37	1633.89	1616.86	1615.88	13
7	D	785.40	768.38	767.39	1520.81	1503.78	1502.80	12
8	K*	955.51	938.48	937.50	1405.78	1388.75	1387.77	11
9	I	1068.59	1051.57	1050.58	1235.67	1218.65	1217.66	10
10	G	1125.62	1108.59	1107.60	1122.59	1105.56	1104.58	9
11	Q	1253.67	1236.65	1235.66	1065.57	1048.54	1047.56	8
12	Q	1381.73	1364.71	1363.72	937.51	920.48	919.50	7
13	V	1480.80	1463.77	1462.79	809.45	792.43	791.44	6
14	H	1617.86	1600.83	1599.85	710.38	693.36	692.37	5
15	D	1732.89	1715.86	1714.88	573.32	556.30	555.31	4
16	K*	1902.99	1885.97	1884.98	458.30	441.27	440.29	3
17	V	2002.06	1985.03	1984.05	288.19	271.17	270.18	2

18	K*	-	-	-	189.12	172.10	171.11	1
----	----	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	18
2	A	94.04	85.53	85.03	1038.08	1029.57	1029.07	17
3	K	158.09	149.57	149.08	1002.56	994.05	993.55	16
4	E	222.61	214.09	213.60	938.51	930.00	929.51	15
5	L	279.15	270.64	270.14	873.99	865.48	864.99	14
6	L	335.69	327.18	326.69	817.45	808.94	808.44	13
7	D	393.21	384.69	384.20	760.91	752.39	751.90	12
8	K*	478.26	469.75	469.25	703.39	694.88	694.39	11
9	I	534.80	526.29	525.80	618.34	609.83	609.34	10
10	G	563.31	554.80	554.31	561.80	553.29	552.79	9
11	Q	627.34	618.83	618.34	533.29	524.77	524.28	8
12	Q	691.37	682.86	682.36	469.26	460.75	460.25	7
13	V	740.90	732.39	731.90	405.23	396.72	396.22	6
14	H	809.43	800.92	800.43	355.70	347.18	346.69	5
15	D	866.95	858.43	857.94	287.17	278.65	278.16	4
16	K*	952.00	943.49	942.99	229.65	221.14	220.65	3
17	V	1001.53	993.02	992.53	144.60	136.09	135.59	2
18	K*	-	-	-	95.07	86.55	86.06	1

-

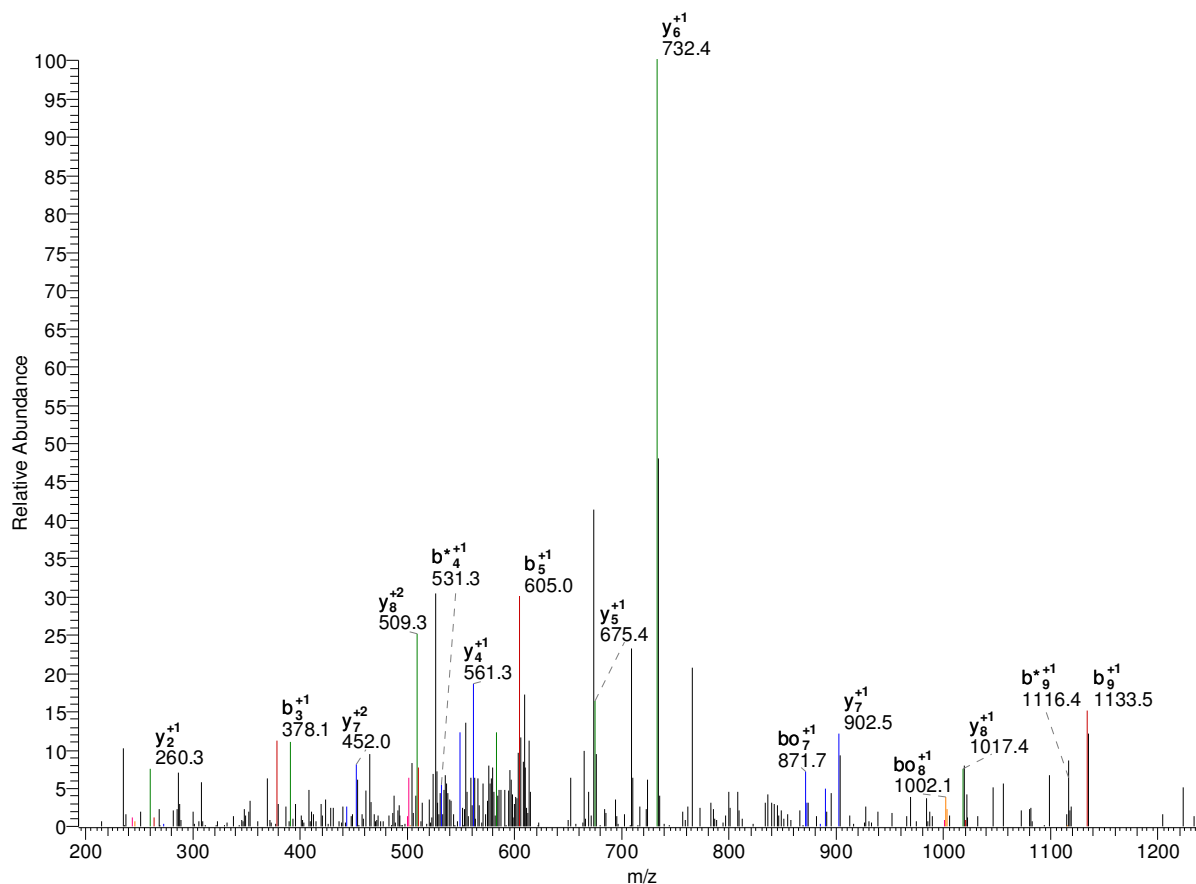
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	D	39.35	33.67	33.35	-	-	-	18
2	A	63.03	57.35	57.03	692.39	686.71	686.38	17
3	K	105.73	100.05	99.72	668.71	663.03	662.71	16
4	E	148.74	143.07	142.74	626.01	620.34	620.01	15
5	L	186.44	180.76	180.43	583.00	577.32	576.99	14
6	L	224.13	218.46	218.13	545.30	539.63	539.30	13
7	D	262.47	256.80	256.47	507.61	501.93	501.60	12
8	K*	319.17	313.50	313.17	469.26	463.59	463.26	11
9	I	356.87	351.19	350.87	412.56	406.89	406.56	10
10	G	375.88	370.20	369.87	374.87	369.19	368.86	9
11	Q	418.56	412.89	412.56	355.86	350.19	349.86	8
12	Q	461.25	455.57	455.25	313.17	307.50	307.17	7
13	V	494.27	488.60	488.27	270.49	264.81	264.49	6
14	H	539.96	534.28	533.95	237.47	231.79	231.46	5
15	D	578.30	572.62	572.30	191.78	186.10	185.78	4
16	K*	635.00	629.33	629.00	153.44	147.76	147.43	3
17	V	668.02	662.35	662.02	96.74	91.06	90.73	2
18	K*	-	-	-	63.71	58.04	57.71	1

-

1279.64 K.DFDK*GNK*MIK.E

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 2072 – 2082

#2473-2473 NL: 1.47E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	10
2	F	263.10	246.08	245.09	1164.61	1147.58	1146.60	9
3	D	378.13	361.10	360.12	1017.54	1000.51	999.53	8
4	K*	548.24	531.21	530.22	902.51	885.49	884.50	7
5	G	605.26	588.23	587.25	732.41	715.38	714.40	6
6	N	719.30	702.27	701.29	675.39	658.36	657.38	5
7	K*	889.41	872.38	871.39	561.34	544.32	543.33	4
8	M	1020.45	1003.42	1002.43	391.24	374.21	373.23	3
9	I	1133.53	1116.50	1115.52	260.20	243.17	242.19	2
10	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	10
2	F	132.05	123.54	123.05	582.81	574.29	573.80	9
3	D	189.57	181.06	180.56	509.27	500.76	500.27	8
4	K*	274.62	266.11	265.62	451.76	443.25	442.75	7

5	G	303.13	294.62	294.13	366.71	358.19	357.70	6
6	N	360.15	351.64	351.15	338.20	329.68	329.19	5
7	K*	445.21	436.69	436.20	281.18	272.66	272.17	4
8	M	510.73	502.21	501.72	196.12	187.61	187.12	3
9	I	567.27	558.76	558.26	130.60	122.09	121.60	2
10	K	-	-	-	74.06	65.55	65.05	1

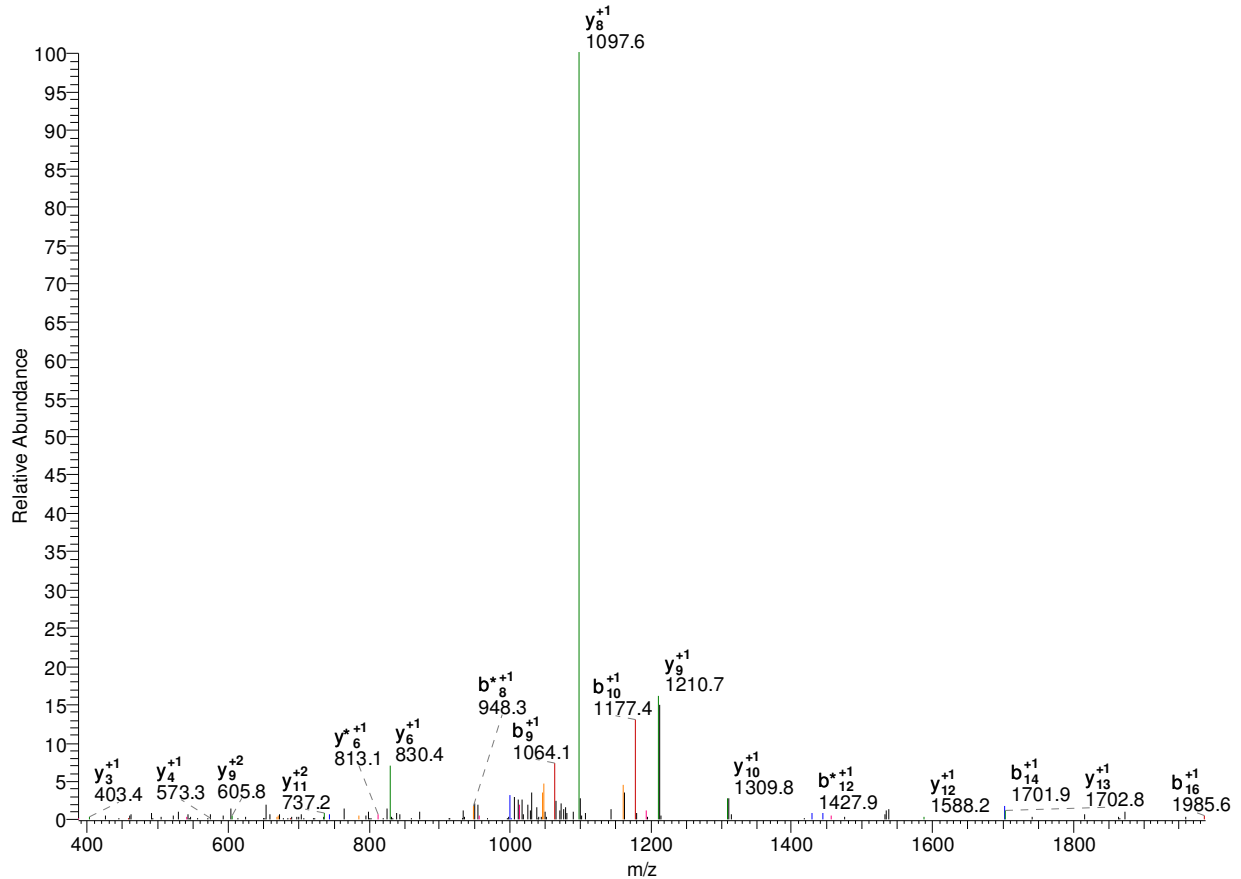
-

2274.10

K.DINDNDDYVLPK*SK*K*NNR.T

psu|PF10_0143 | organism=Plasmodium_falciparum_3D7 | product=transcriptional activator
 ADA2, putati 1670 – 1688

#2935-2935 NL: 4.12E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	18
2	I	229.12	212.09	211.11	2159.07	2142.05	2141.06	17
3	N	343.16	326.13	325.15	2045.99	2028.96	2027.98	16
4	D	458.19	441.16	440.18	1931.95	1914.92	1913.94	15
5	N	572.23	555.20	554.22	1816.92	1799.89	1798.91	14
6	D	687.26	670.23	669.25	1702.88	1685.85	1684.87	13
7	D	802.28	785.26	784.27	1587.85	1570.82	1569.84	12
8	Y	965.35	948.32	947.34	1472.82	1455.80	1454.81	11
9	V	1064.42	1047.39	1046.41	1309.76	1292.73	1291.75	10
10	L	1177.50	1160.47	1159.49	1210.69	1193.66	1192.68	9
11	P	1274.55	1257.53	1256.54	1097.61	1080.58	1079.60	8
12	K*	1444.66	1427.63	1426.65	1000.55	983.53	982.54	7
13	S	1531.69	1514.66	1513.68	830.45	813.42	812.44	6
14	K*	1701.80	1684.77	1683.79	743.42	726.39	725.41	5
15	K*	1871.90	1854.88	1853.89	573.31	556.28	555.30	4
16	N	1985.95	1968.92	1967.93	403.20	386.18	385.19	3
17	N	2099.99	2082.96	2081.98	289.16	272.14	271.15	2

18	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	18
2	I	115.06	106.55	106.06	1080.04	1071.53	1071.03	17
3	N	172.08	163.57	163.08	1023.50	1014.98	1014.49	16
4	D	229.60	221.08	220.59	966.48	957.96	957.47	15
5	N	286.62	278.11	277.61	908.96	900.45	899.96	14
6	D	344.13	335.62	335.13	851.94	843.43	842.94	13
7	D	401.65	393.13	392.64	794.43	785.91	785.42	12
8	Y	483.18	474.66	474.17	736.91	728.40	727.91	11
9	V	532.71	524.20	523.71	655.38	646.87	646.38	10
10	L	589.25	580.74	580.25	605.85	597.34	596.84	9
11	P	637.78	629.27	628.78	549.31	540.79	540.30	8
12	K*	722.83	714.32	713.83	500.78	492.27	491.78	7
13	S	766.35	757.84	757.34	415.73	407.21	406.72	6
14	K*	851.40	842.89	842.40	372.21	363.70	363.21	5
15	K*	936.45	927.94	927.45	287.16	278.65	278.15	4
16	N	993.48	984.96	984.47	202.11	193.59	193.10	3
17	N	1050.50	1041.98	1041.49	145.08	136.57	136.08	2
18	R	-	-	-	88.06	79.55	79.06	1

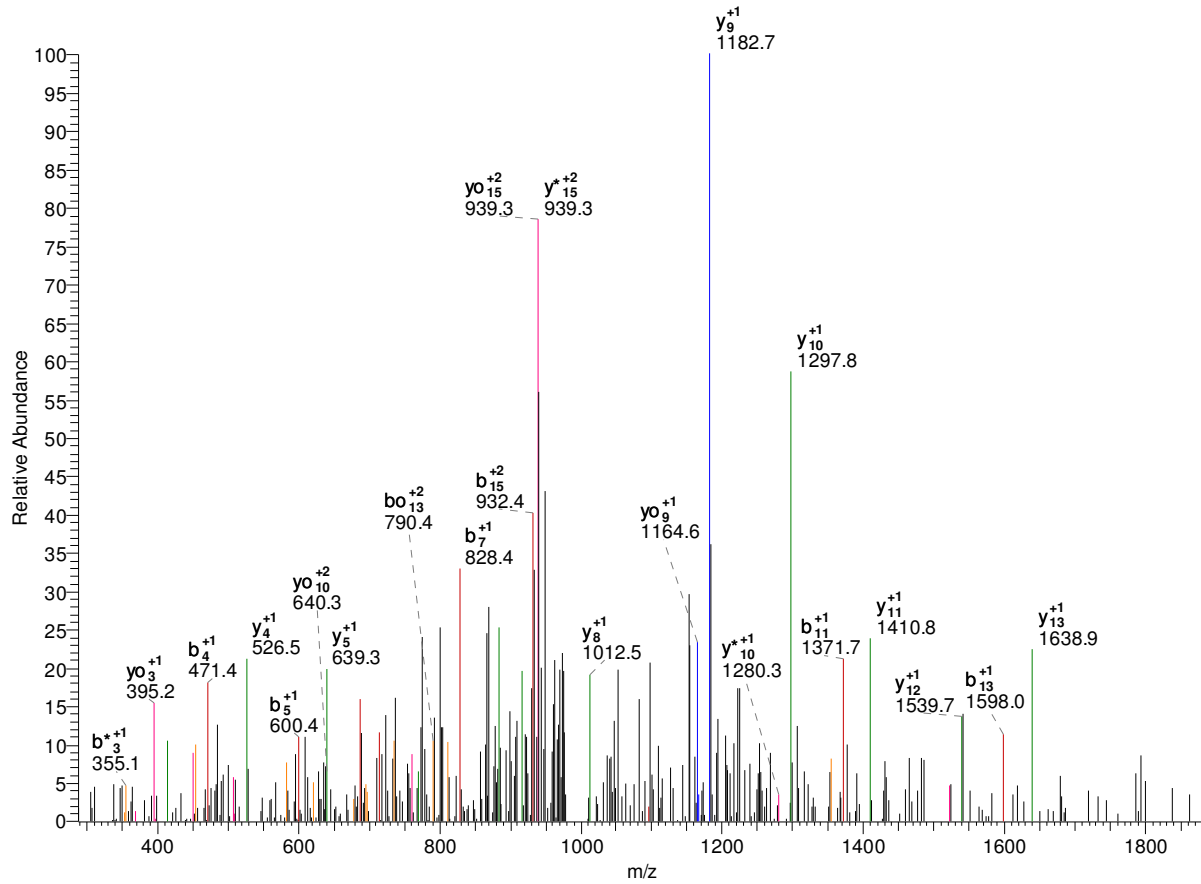
-

2010.09

K.DQKVELDK*PYILIHEK.K

psu|PF10_0153 | organism=Plasmodium_falciparum_3D7 | product=hsp60 |
 location=MAL10:627043-629039(- 238 – 254

#5840-5840 NL: 6.59E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	16
2	Q	244.09	227.07	226.08	1895.06	1878.04	1877.05	15
3	K	372.19	355.16	354.18	1767.01	1749.98	1748.99	14
4	V	471.26	454.23	453.25	1638.91	1621.88	1620.90	13
5	E	600.30	583.27	582.29	1539.84	1522.82	1521.83	12
6	L	713.38	696.36	695.37	1410.80	1393.77	1392.79	11
7	D	828.41	811.38	810.40	1297.72	1280.69	1279.70	10
8	K*	998.52	981.49	980.50	1182.69	1165.66	1164.68	9
9	P	1095.57	1078.54	1077.56	1012.58	995.56	994.57	8
10	Y	1258.63	1241.60	1240.62	915.53	898.50	897.52	7
11	I	1371.72	1354.69	1353.70	752.47	735.44	734.46	6
12	L	1484.80	1467.77	1466.79	639.38	622.36	621.37	5
13	I	1597.88	1580.86	1579.87	526.30	509.27	508.29	4
14	H	1734.94	1717.92	1716.93	413.21	396.19	395.20	3
15	E	1863.99	1846.96	1845.97	276.16	259.13	258.14	2
16	K	-	-	-	147.11	130.09	129.10	1

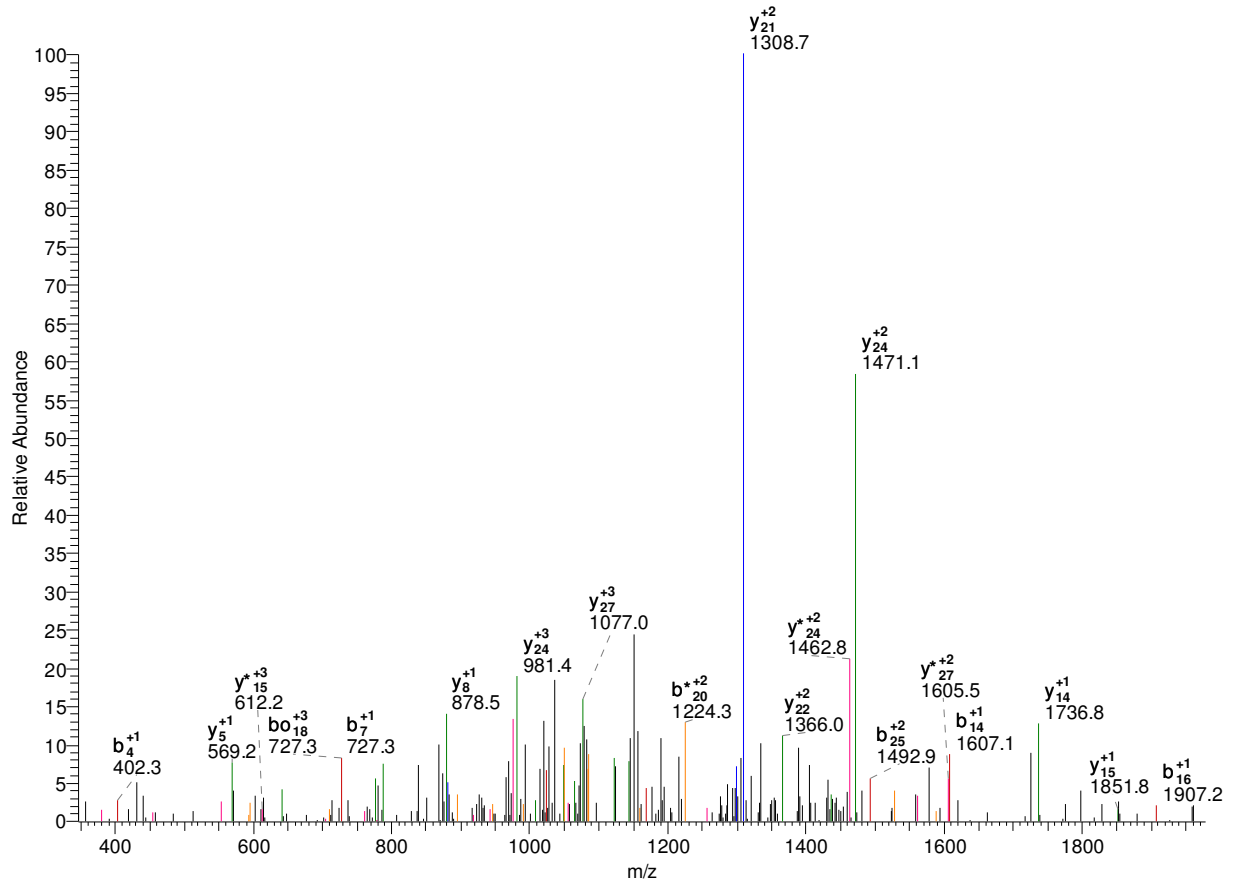
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	16
2	Q	122.55	114.04	113.54	948.04	939.52	939.03	15
3	K	186.60	178.08	177.59	884.01	875.49	875.00	14
4	V	236.13	227.62	227.13	819.96	811.45	810.95	13
5	E	300.65	292.14	291.65	770.42	761.91	761.42	12
6	L	357.20	348.68	348.19	705.90	697.39	696.90	11
7	D	414.71	406.20	405.70	649.36	640.85	640.36	10
8	K*	499.76	491.25	490.76	591.85	583.33	582.84	9
9	P	548.29	539.77	539.28	506.79	498.28	497.79	8
10	Y	629.82	621.31	620.81	458.27	449.76	449.26	7
11	I	686.36	677.85	677.36	376.74	368.22	367.73	6
12	L	742.90	734.39	733.90	320.19	311.68	311.19	5
13	I	799.45	790.93	790.44	263.65	255.14	254.65	4
14	H	867.97	859.46	858.97	207.11	198.60	198.11	3
15	E	932.50	923.98	923.49	138.58	130.07	129.58	2
16	K	-	-	-	74.06	65.55	65.05	1

-

3342.58 K.DSAKPLDK*FGNIYDYHYEHETHAPLSR.I

psu|PF13_0011 | organism=Plasmodium_falciparum_3D7 | product=plasmodium falciparum gamete antigen 2 6 – 34

#5651-5651 NL: 1.20E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	28
2	S	203.07	186.04	185.06	3227.55	3210.53	3209.54	27
3	A	274.10	257.08	256.09	3140.52	3123.50	3122.51	26
4	K	402.20	385.17	384.19	3069.49	3052.46	3051.47	25
5	P	499.25	482.22	481.24	2941.39	2924.36	2923.38	24
6	L	612.34	595.31	594.32	2844.34	2827.31	2826.33	23
7	D	727.36	710.34	709.35	2731.25	2714.23	2713.24	22
8	K*	897.47	880.44	879.46	2616.23	2599.20	2598.22	21
9	F	1044.54	1027.51	1026.53	2446.12	2429.09	2428.11	20
10	G	1101.56	1084.53	1083.55	2299.05	2282.03	2281.04	19
11	N	1215.60	1198.57	1197.59	2242.03	2225.00	2224.02	18
12	I	1328.68	1311.66	1310.67	2127.99	2110.96	2109.98	17
13	Y	1491.75	1474.72	1473.74	2014.90	1997.88	1996.89	16
14	D	1606.77	1589.75	1588.76	1851.84	1834.81	1833.83	15
15	Y	1769.84	1752.81	1751.83	1736.81	1719.79	1718.80	14
16	H	1906.90	1889.87	1888.89	1573.75	1556.72	1555.74	13
17	Y	2069.96	2052.93	2051.95	1436.69	1419.67	1418.68	12
18	E	2199.00	2181.98	2180.99	1273.63	1256.60	1255.62	11

19	H	2336.06	2319.04	2318.05	1144.59	1127.56	1126.58	10
20	E	2465.10	2448.08	2447.09	1007.53	990.50	989.52	9
21	T	2566.15	2549.13	2548.14	878.48	861.46	860.47	8
22	H	2703.21	2686.18	2685.20	777.44	760.41	759.43	7
23	A	2774.25	2757.22	2756.24	640.38	623.35	622.37	6
24	P	2871.30	2854.27	2853.29	569.34	552.31	551.33	5
25	L	2984.38	2967.36	2966.37	472.29	455.26	454.28	4
26	S	3071.42	3054.39	3053.41	359.20	342.18	341.19	3
27	P	3168.47	3151.44	3150.46	272.17	255.15	254.16	2
28	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	28
2	S	102.04	93.52	93.03	1614.28	1605.77	1605.28	27
3	A	137.56	129.04	128.55	1570.76	1562.25	1561.76	26
4	K	201.60	193.09	192.60	1535.25	1526.73	1526.24	25
5	P	250.13	241.62	241.12	1471.20	1462.69	1462.19	24
6	L	306.67	298.16	297.67	1422.67	1414.16	1413.67	23
7	D	364.18	355.67	355.18	1366.13	1357.62	1357.13	22
8	K*	449.24	440.72	440.23	1308.62	1300.10	1299.61	21
9	F	522.77	514.26	513.77	1223.56	1215.05	1214.56	20
10	G	551.28	542.77	542.28	1150.03	1141.52	1141.02	19
11	N	608.30	599.79	599.30	1121.52	1113.01	1112.51	18
12	I	664.85	656.33	655.84	1064.50	1055.98	1055.49	17
13	Y	746.38	737.86	737.37	1007.96	999.44	998.95	16
14	D	803.89	795.38	794.89	926.42	917.91	917.42	15
15	Y	885.42	876.91	876.42	868.91	860.40	859.91	14
16	H	953.95	945.44	944.95	787.38	778.87	778.37	13
17	Y	1035.48	1026.97	1026.48	718.85	710.34	709.84	12
18	E	1100.01	1091.49	1091.00	637.32	628.80	628.31	11
19	H	1168.53	1160.02	1159.53	572.80	564.28	563.79	10
20	E	1233.06	1224.54	1224.05	504.27	495.75	495.26	9
21	T	1283.58	1275.07	1274.57	439.75	431.23	430.74	8
22	H	1352.11	1343.60	1343.10	389.22	380.71	380.22	7
23	A	1387.63	1379.11	1378.62	320.69	312.18	311.69	6
24	P	1436.15	1427.64	1427.15	285.17	276.66	276.17	5
25	L	1492.70	1484.18	1483.69	236.65	228.13	227.64	4
26	S	1536.21	1527.70	1527.21	180.11	171.59	171.10	3
27	P	1584.74	1576.23	1575.73	136.59	128.08	127.58	2
28	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	D	39.35	33.67	33.35	-	-	-	28
2	S	68.36	62.68	62.36	1076.52	1070.85	1070.52	27
3	A	92.04	86.36	86.04	1047.51	1041.84	1041.51	26
4	K	134.74	129.06	128.73	1023.83	1018.16	1017.83	25
5	P	167.09	161.41	161.09	981.13	975.46	975.13	24
6	L	204.78	199.11	198.78	948.78	943.11	942.78	23
7	D	243.13	237.45	237.12	911.09	905.41	905.09	22
8	K*	299.83	294.15	293.82	872.75	867.07	866.74	21
9	F	348.85	343.17	342.85	816.05	810.37	810.04	20
10	G	367.86	362.18	361.85	767.02	761.35	761.02	19
11	N	405.87	400.20	399.87	748.02	742.34	742.01	18
12	I	443.57	437.89	437.56	710.00	704.33	704.00	17

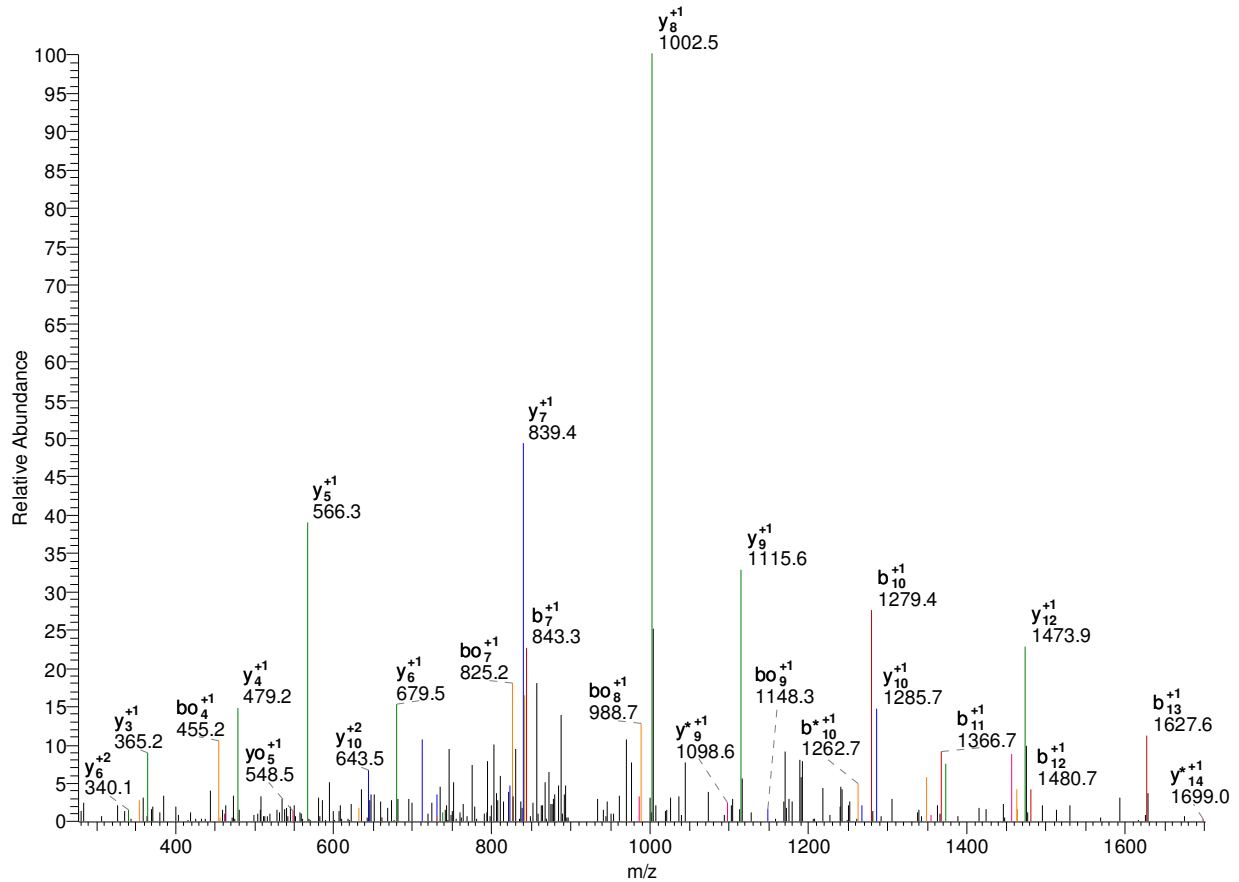
13	Y	497.92	492.25	491.92	672.31	666.63	666.30	16
14	D	536.26	530.59	530.26	617.95	612.28	611.95	15
15	Y	590.62	584.94	584.61	579.61	573.93	573.61	14
16	H	636.30	630.63	630.30	525.26	519.58	519.25	13
17	Y	690.66	684.98	684.65	479.57	473.89	473.57	12
18	E	733.67	728.00	727.67	425.21	419.54	419.21	11
19	H	779.36	773.68	773.36	382.20	376.52	376.20	10
20	E	822.37	816.70	816.37	336.51	330.84	330.51	9
21	T	856.06	850.38	850.05	293.50	287.82	287.50	8
22	H	901.74	896.07	895.74	259.82	254.14	253.81	7
23	A	925.42	919.75	919.42	214.13	208.46	208.13	6
24	P	957.77	952.10	951.77	190.45	184.78	184.45	5
25	L	995.47	989.79	989.46	158.10	152.43	152.10	4
26	S	1024.48	1018.80	1018.47	120.41	114.73	114.40	3
27	P	1056.83	1051.15	1050.82	91.40	85.72	85.39	2
28	R	-	-	-	59.04	53.37	53.04	1

-

1844.91 K.EIETSK*LYC@ISNFAK.S

psu|PF11_0258 | organism=Plasmodium_falciparum_3D7 | product=co-chaperone GrpE,
putative | location 180 – 195

#5608-5608 NL: 1.05E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	15
2	I	243.13	226.11	225.12	1715.87	1698.84	1697.86	14
3	E	372.18	355.15	354.17	1602.78	1585.76	1584.77	13
4	T	473.22	456.20	455.21	1473.74	1456.71	1455.73	12
5	S	560.26	543.23	542.25	1372.69	1355.67	1354.68	11
6	K*	730.36	713.34	712.35	1285.66	1268.63	1267.65	10
7	L	843.45	826.42	825.44	1115.56	1098.53	1097.54	9
8	Y	1006.51	989.48	988.50	1002.47	985.44	984.46	8
9	C@	1166.54	1149.51	1148.53	839.41	822.38	821.40	7
10	I	1279.62	1262.60	1261.61	679.38	662.35	661.37	6
11	S	1366.66	1349.63	1348.65	566.29	549.27	548.28	5
12	N	1480.70	1463.67	1462.69	479.26	462.23	461.25	4
13	F	1627.77	1610.74	1609.76	365.22	348.19	347.21	3
14	A	1698.80	1681.78	1680.79	218.15	201.12	200.14	2
15	K	-	-	-	147.11	130.09	129.10	1

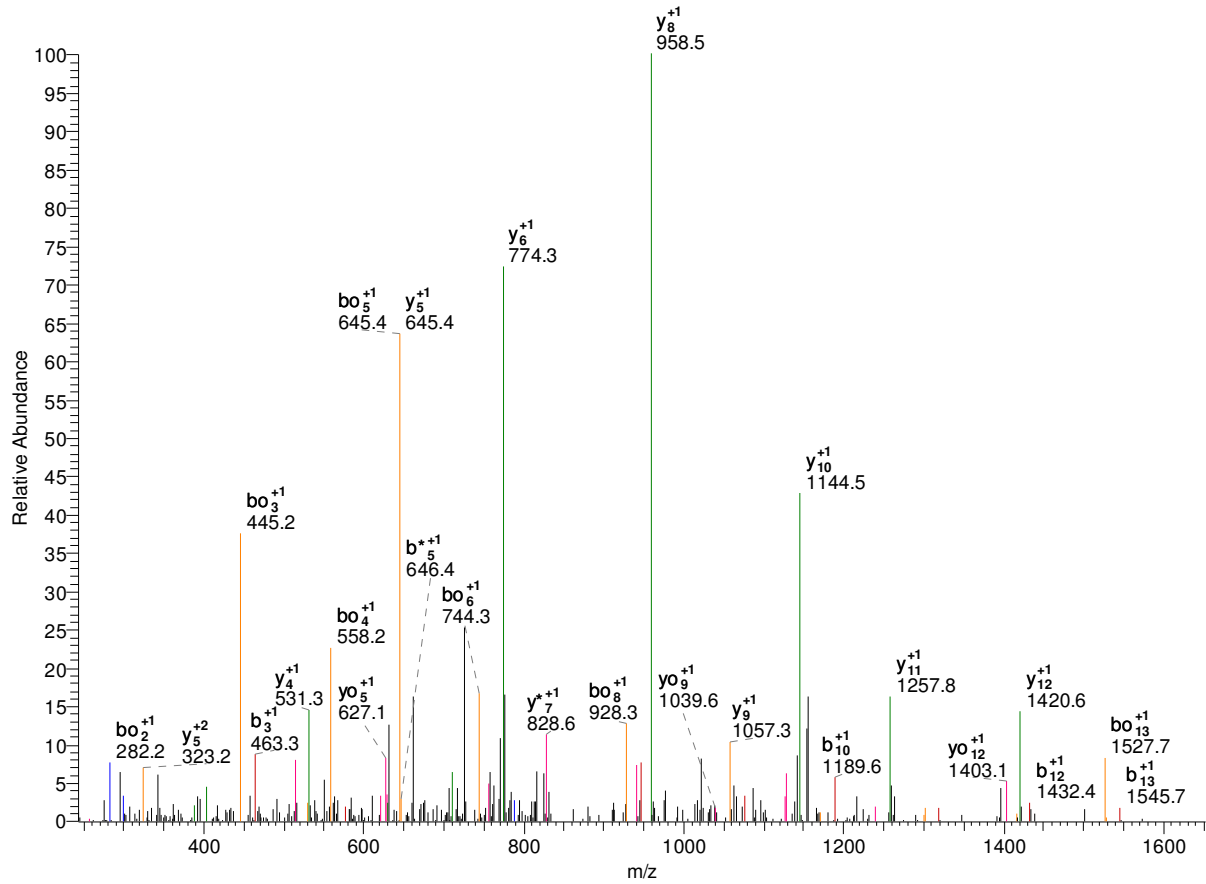
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	15
2	I	122.07	113.56	113.07	858.44	849.92	849.43	14
3	E	186.59	178.08	177.59	801.90	793.38	792.89	13
4	T	237.12	228.60	228.11	737.37	728.86	728.37	12
5	S	280.63	272.12	271.63	686.85	678.34	677.84	11
6	K*	365.68	357.17	356.68	643.33	634.82	634.33	10
7	L	422.23	413.71	413.22	558.28	549.77	549.28	9
8	Y	503.76	495.24	494.75	501.74	493.23	492.73	8
9	C@	583.77	575.26	574.77	420.21	411.69	411.20	7
10	I	640.32	631.80	631.31	340.19	331.68	331.19	6
11	S	683.83	675.32	674.83	283.65	275.14	274.64	5
12	N	740.85	732.34	731.85	240.13	231.62	231.13	4
13	F	814.39	805.87	805.38	183.11	174.60	174.11	3
14	A	849.91	841.39	840.90	109.58	101.07	100.57	2
15	K	-	-	-	74.06	65.55	65.05	1

-

1719.89 K.EK*YLSVLAENENLR.N

psu|PF11_0258 | organism=Plasmodium_falciparum_3D7 | product=co-chaperone GrpE,
putative | location 161 – 175

#5189-5189 NL: 2.14E2



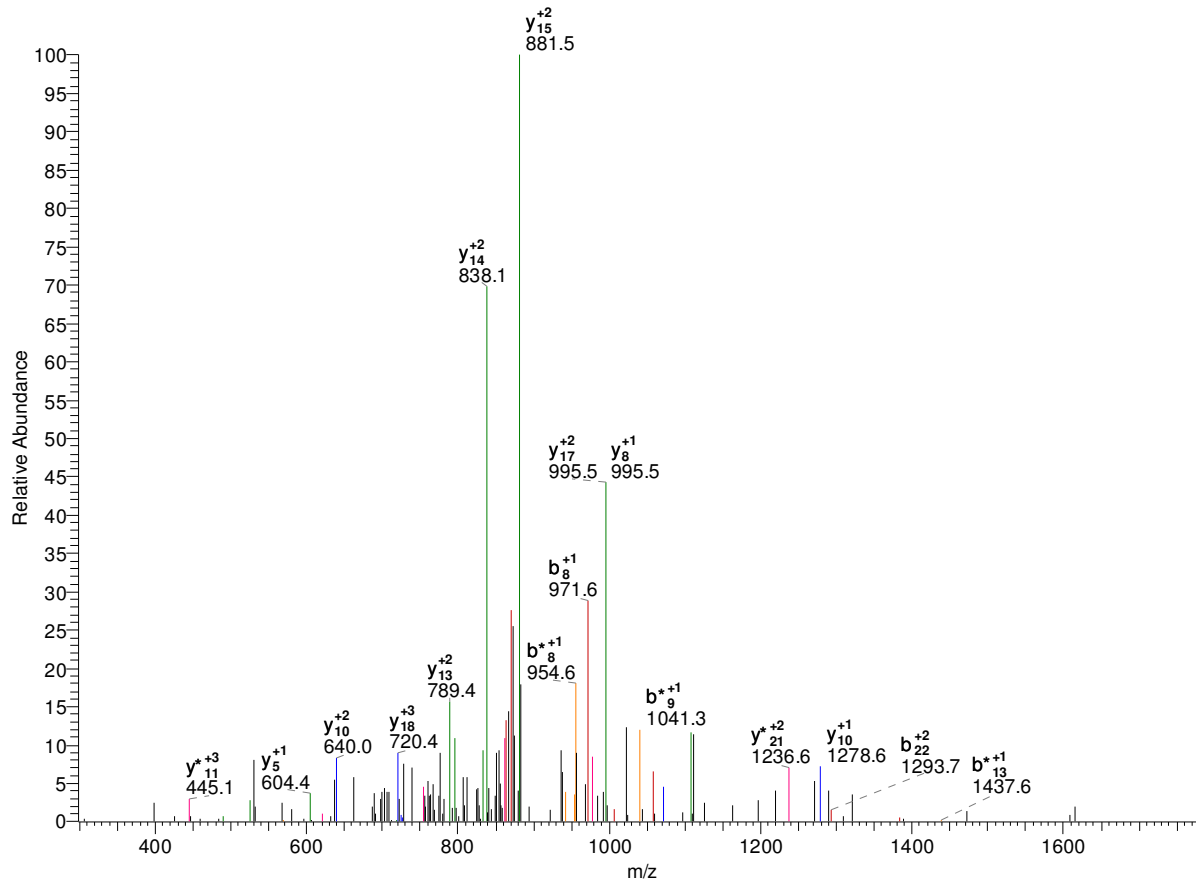
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	14
2	K*	300.16	283.13	282.14	1590.85	1573.82	1572.84	13
3	Y	463.22	446.19	445.21	1420.74	1403.72	1402.73	12
4	L	576.30	559.28	558.29	1257.68	1240.65	1239.67	11
5	S	663.33	646.31	645.32	1144.60	1127.57	1126.59	10
6	V	762.40	745.38	744.39	1057.56	1040.54	1039.55	9
7	L	875.49	858.46	857.48	958.50	941.47	940.48	8
8	A	946.52	929.50	928.51	845.41	828.38	827.40	7
9	E	1075.57	1058.54	1057.56	774.37	757.35	756.36	6
10	N	1189.61	1172.58	1171.60	645.33	628.30	627.32	5
11	E	1318.65	1301.63	1300.64	531.29	514.26	513.28	4
12	N	1432.70	1415.67	1414.68	402.25	385.22	384.24	3
13	L	1545.78	1528.75	1527.77	288.20	271.18	270.19	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	14
2	K*	150.58	142.07	141.58	795.93	787.41	786.92	13
3	Y	232.11	223.60	223.11	710.88	702.36	701.87	12
4	L	288.66	280.14	279.65	629.34	620.83	620.34	11
5	S	332.17	323.66	323.17	572.80	564.29	563.80	10
6	V	381.71	373.19	372.70	529.29	520.77	520.28	9
7	L	438.25	429.73	429.24	479.75	471.24	470.75	8
8	A	473.77	465.25	464.76	423.21	414.70	414.20	7
9	E	538.29	529.77	529.28	387.69	379.18	378.69	6
10	N	595.31	586.80	586.30	323.17	314.66	314.16	5
11	E	659.83	651.32	650.82	266.15	257.63	257.14	4
12	N	716.85	708.34	707.85	201.63	193.11	192.62	3
13	L	773.39	764.88	764.39	144.61	136.09	135.60	2
14	R	-	-	-	88.06	79.55	79.06	1

2732.25 K.ENTNNK*DISPNNAK*IYNNNNNDK.N

psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 3716 – 3739

#2010-2010 NL: 7.68E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	23
2	N	244.09	227.07	226.08	2603.21	2586.18	2585.20	22
3	T	345.14	328.11	327.13	2489.17	2472.14	2471.15	21
4	N	459.18	442.16	441.17	2388.12	2371.09	2370.11	20
5	N	573.23	556.20	555.22	2274.07	2257.05	2256.06	19
6	K*	743.33	726.31	725.32	2160.03	2143.01	2142.02	18
7	D	858.36	841.33	840.35	1989.93	1972.90	1971.92	17
8	I	971.44	954.42	953.43	1874.90	1857.87	1856.89	16
9	S	1058.47	1041.45	1040.46	1761.82	1744.79	1743.80	15
10	P	1155.53	1138.50	1137.52	1674.78	1657.76	1656.77	14
11	N	1269.57	1252.54	1251.56	1577.73	1560.70	1559.72	13
12	N	1383.61	1366.59	1365.60	1463.69	1446.66	1445.68	12
13	A	1454.65	1437.62	1436.64	1349.64	1332.62	1331.63	11
14	K*	1624.76	1607.73	1606.75	1278.61	1261.58	1260.60	10
15	I	1737.84	1720.81	1719.83	1108.50	1091.48	1090.49	9
16	Y	1900.90	1883.88	1882.89	995.42	978.39	977.41	8
17	N	2014.95	1997.92	1996.94	832.35	815.33	814.34	7
18	N	2128.99	2111.96	2110.98	718.31	701.28	700.30	6

19	N	2243.03	2226.01	2225.02	604.27	587.24	586.26	5
20	N	2357.08	2340.05	2339.06	490.23	473.20	472.22	4
21	N	2471.12	2454.09	2453.11	376.18	359.16	358.17	3
22	D	2586.15	2569.12	2568.13	262.14	245.11	244.13	2
23	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	23
2	N	122.55	114.04	113.54	1302.11	1293.59	1293.10	22
3	T	173.07	164.56	164.07	1245.09	1236.57	1236.08	21
4	N	230.10	221.58	221.09	1194.56	1186.05	1185.56	20
5	N	287.12	278.60	278.11	1137.54	1129.03	1128.54	19
6	K*	372.17	363.66	363.16	1080.52	1072.01	1071.51	18
7	D	429.68	421.17	420.68	995.47	986.95	986.46	17
8	I	486.23	477.71	477.22	937.95	929.44	928.95	16
9	S	529.74	521.23	520.74	881.41	872.90	872.41	15
10	P	578.27	569.75	569.26	837.90	829.38	828.89	14
11	N	635.29	626.78	626.28	789.37	780.86	780.36	13
12	N	692.31	683.80	683.31	732.35	723.83	723.34	12
13	A	727.83	719.32	718.82	675.33	666.81	666.32	11
14	K*	812.88	804.37	803.88	639.81	631.29	630.80	10
15	I	869.42	860.91	860.42	554.75	546.24	545.75	9
16	Y	950.96	942.44	941.95	498.21	489.70	489.21	8
17	N	1007.98	999.46	998.97	416.68	408.17	407.68	7
18	N	1065.00	1056.49	1055.99	359.66	351.15	350.65	6
19	N	1122.02	1113.51	1113.01	302.64	294.12	293.63	5
20	N	1179.04	1170.53	1170.04	245.62	237.10	236.61	4
21	N	1236.06	1227.55	1227.06	188.59	180.08	179.59	3
22	D	1293.58	1285.06	1284.57	131.57	123.06	122.57	2
23	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	E	44.02	38.35	38.02	-	-	-	23
2	N	82.04	76.36	76.03	868.41	862.73	862.40	22
3	T	115.72	110.04	109.71	830.39	824.72	824.39	21
4	N	153.73	148.06	147.73	796.71	791.04	790.71	20
5	N	191.75	186.07	185.74	758.70	753.02	752.69	19
6	K*	248.45	242.77	242.45	720.68	715.01	714.68	18
7	D	286.79	281.12	280.79	663.98	658.30	657.98	17
8	I	324.49	318.81	318.48	625.64	619.96	619.63	16
9	S	353.50	347.82	347.49	587.94	582.27	581.94	15
10	P	385.85	380.17	379.84	558.93	553.26	552.93	14
11	N	423.86	418.19	417.86	526.58	520.91	520.58	13
12	N	461.88	456.20	455.87	488.57	482.89	482.56	12
13	A	485.56	479.88	479.55	450.55	444.88	444.55	11
14	K*	542.26	536.58	536.25	426.87	421.20	420.87	10
15	I	579.95	574.28	573.95	370.17	364.50	364.17	9
16	Y	634.31	628.63	628.30	332.48	326.80	326.47	8
17	N	672.32	666.64	666.32	278.12	272.45	272.12	7
18	N	710.33	704.66	704.33	240.11	234.43	234.11	6
19	N	748.35	742.67	742.35	202.09	196.42	196.09	5
20	N	786.36	780.69	780.36	164.08	158.40	158.08	4
21	N	824.38	818.70	818.37	126.07	120.39	120.06	3
22	D	862.72	857.04	856.72	88.05	82.38	82.05	2

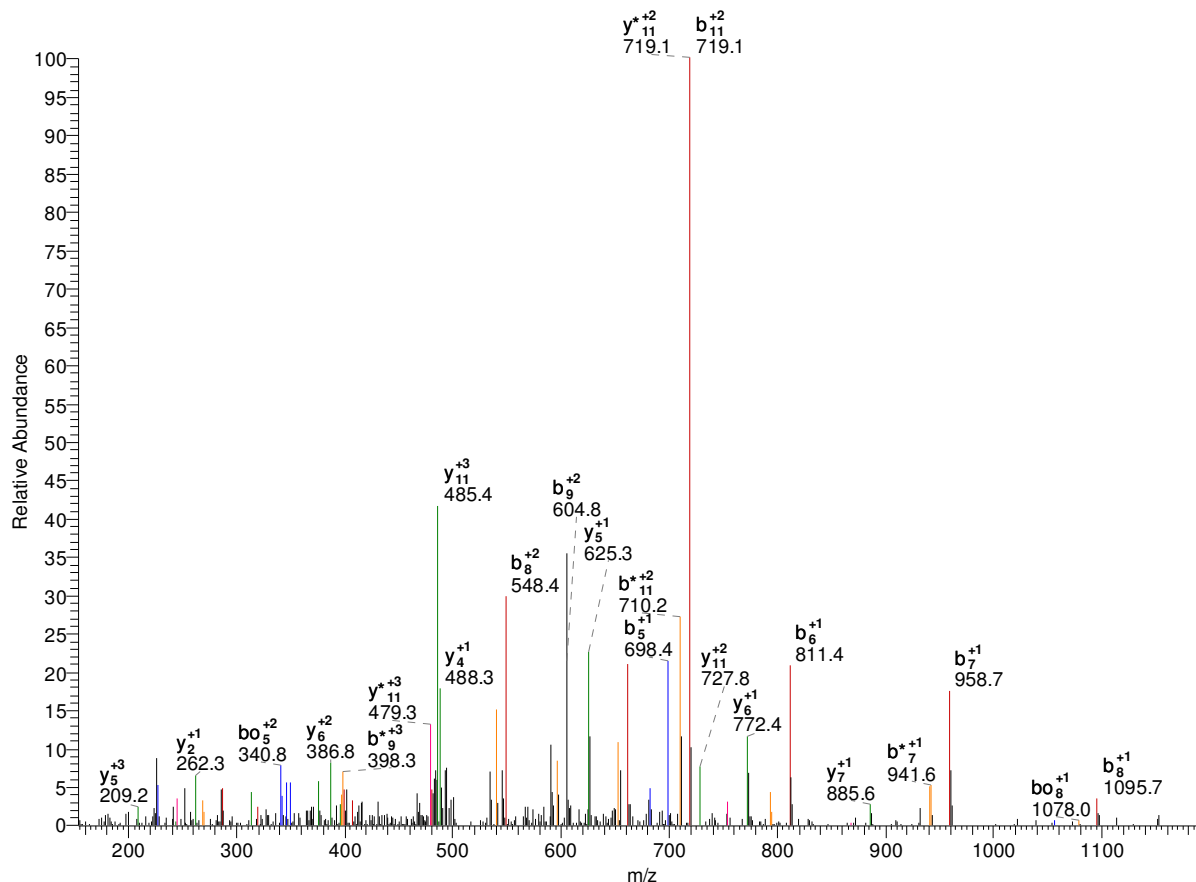
23	K	-	-	-	49.71	44.03	43.71	1
----	---	---	---	---	-------	-------	-------	---

-

1582.90 K.ERIEK*LFHLIDK.N

psu|PF11_0098 | organism=Plasmodium_falciparum_3D7 | product=endoplasmic reticulum-resident calcium 61 – 73

#7067-7067 NL: 5.12E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	12
2	R	286.15	269.12	268.14	1453.85	1436.83	1435.84	11
3	I	399.24	382.21	381.22	1297.75	1280.72	1279.74	10
4	E	528.28	511.25	510.27	1184.67	1167.64	1166.66	9
5	K*	698.38	681.36	680.37	1055.62	1038.60	1037.61	8
6	L	811.47	794.44	793.46	885.52	868.49	867.51	7
7	F	958.54	941.51	940.53	772.44	755.41	754.42	6
8	H	1095.59	1078.57	1077.58	625.37	608.34	607.36	5
9	L	1208.68	1191.65	1190.67	488.31	471.28	470.30	4
10	I	1321.76	1304.74	1303.75	375.22	358.20	357.21	3
11	D	1436.79	1419.76	1418.78	262.14	245.11	244.13	2
12	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	12
2	R	143.58	135.07	134.57	727.43	718.92	718.42	11
3	I	200.12	191.61	191.12	649.38	640.87	640.37	10

4	E	264.64	256.13	255.64	592.84	584.32	583.83	9
5	K*	349.70	341.18	340.69	528.32	519.80	519.31	8
6	L	406.24	397.72	397.23	443.26	434.75	434.26	7
7	F	479.77	471.26	470.77	386.72	378.21	377.72	6
8	H	548.30	539.79	539.30	313.19	304.67	304.18	5
9	L	604.84	596.33	595.84	244.66	236.14	235.65	4
10	I	661.38	652.87	652.38	188.12	179.60	179.11	3
11	D	718.90	710.39	709.89	131.57	123.06	122.57	2
12	K	-	-	-	74.06	65.55	65.05	1

-

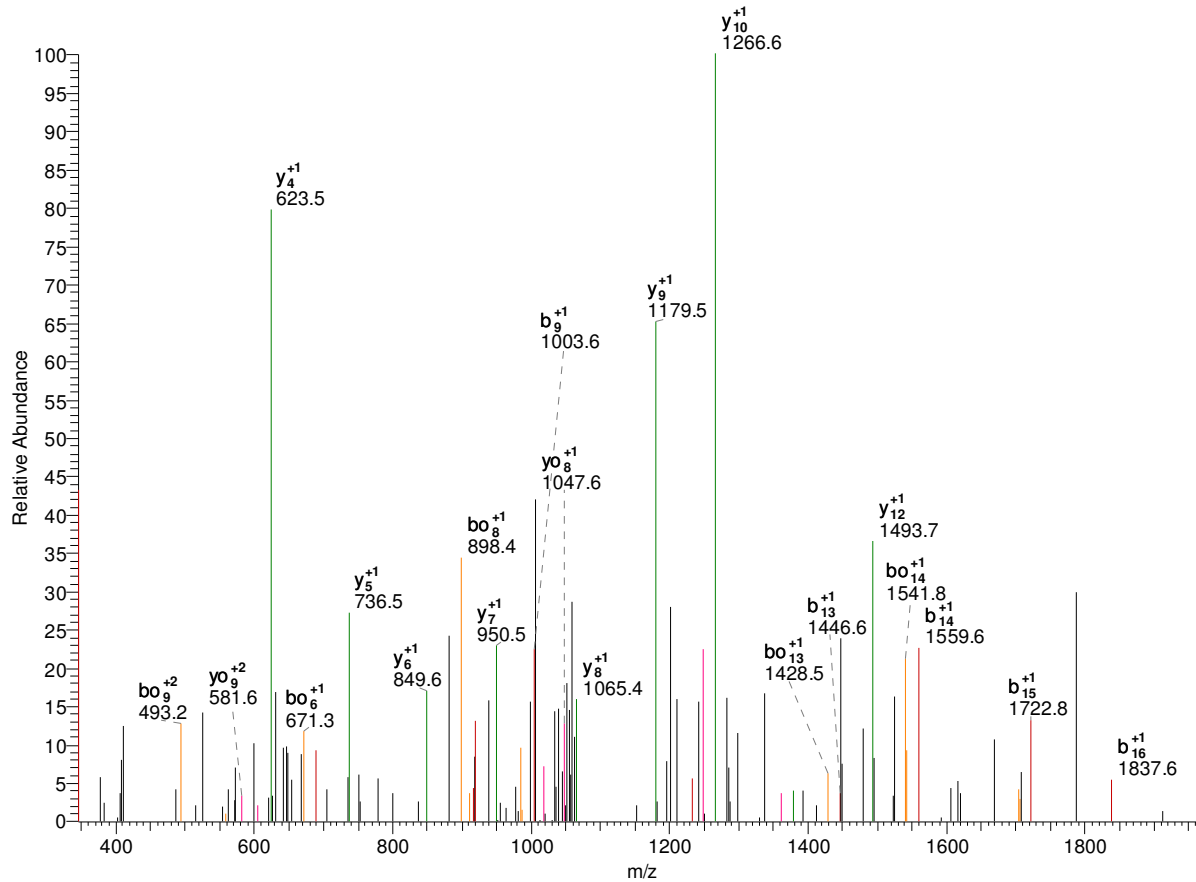
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	E	44.02	38.35	38.02	-	-	-	12
2	R	96.06	90.38	90.05	485.29	479.61	479.29	11
3	I	133.75	128.07	127.75	433.26	427.58	427.25	10
4	E	176.76	171.09	170.76	395.56	389.89	389.56	9
5	K*	233.47	227.79	227.46	352.55	346.87	346.54	8
6	L	271.16	265.49	265.16	295.84	290.17	289.84	7
7	F	320.18	314.51	314.18	258.15	252.47	252.15	6
8	H	365.87	360.19	359.87	209.13	203.45	203.12	5
9	L	403.56	397.89	397.56	163.44	157.77	157.44	4
10	I	441.26	435.58	435.26	125.75	120.07	119.74	3
11	D	479.60	473.93	473.60	88.05	82.38	82.05	2
12	K	-	-	-	49.71	44.03	43.71	1

-

2182.05 K.ETDTELNLSNDTLIYDK*R.L Lysine or Arginine at C-Term

psu|PF14_0029 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 1288 – 1306

#4964-4964 NL: 2.82E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	18
2	T	231.10	214.07	213.09	2053.01	2035.98	2035.00	17
3	D	346.12	329.10	328.11	1951.96	1934.93	1933.95	16
4	T	447.17	430.15	429.16	1836.93	1819.91	1818.92	15
5	E	576.21	559.19	558.20	1735.89	1718.86	1717.88	14
6	L	689.30	672.27	671.29	1606.84	1589.82	1588.83	13
7	N	803.34	786.32	785.33	1493.76	1476.73	1475.75	12
8	L	916.43	899.40	898.42	1379.72	1362.69	1361.71	11
9	S	1003.46	986.43	985.45	1266.63	1249.61	1248.62	10
10	N	1117.50	1100.47	1099.49	1179.60	1162.57	1161.59	9
11	D	1232.53	1215.50	1214.52	1065.56	1048.53	1047.55	8
12	T	1333.58	1316.55	1315.56	950.53	933.50	932.52	7
13	L	1446.66	1429.63	1428.65	849.48	832.46	831.47	6
14	I	1559.74	1542.72	1541.73	736.40	719.37	718.39	5
15	Y	1722.81	1705.78	1704.80	623.31	606.29	605.30	4
16	D	1837.83	1820.81	1819.82	460.25	443.22	442.24	3
17	K*	2007.94	1990.91	1989.93	345.22	328.20	327.21	2

18	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

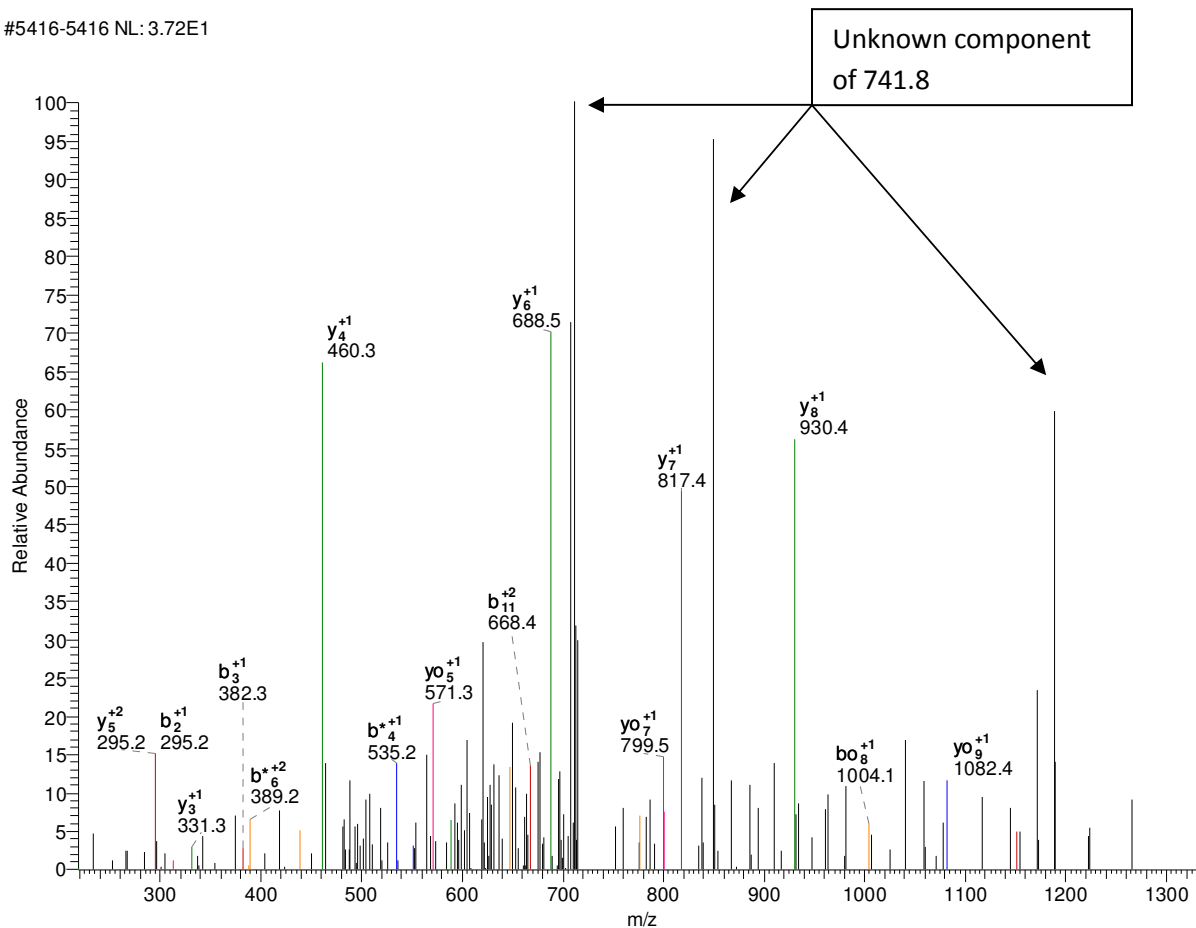
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	18
2	T	116.05	107.54	107.05	1027.01	1018.49	1018.00	17
3	D	173.57	165.05	164.56	976.48	967.97	967.48	16
4	T	224.09	215.58	215.08	918.97	910.46	909.97	15
5	E	288.61	280.10	279.61	868.45	859.93	859.44	14
6	L	345.15	336.64	336.15	803.93	795.41	794.92	13
7	N	402.17	393.66	393.17	747.38	738.87	738.38	12
8	L	458.72	450.20	449.71	690.36	681.85	681.36	11
9	S	502.23	493.72	493.23	633.82	625.31	624.81	10
10	N	559.25	550.74	550.25	590.30	581.79	581.30	9
11	D	616.77	608.25	607.76	533.28	524.77	524.28	8
12	T	667.29	658.78	658.29	475.77	467.26	466.76	7
13	L	723.83	715.32	714.83	425.25	416.73	416.24	6
14	I	780.38	771.86	771.37	368.70	360.19	359.70	5
15	Y	861.91	853.39	852.90	312.16	303.65	303.16	4
16	D	919.42	910.91	910.42	230.63	222.12	221.62	3
17	K*	1004.47	995.96	995.47	173.12	164.60	164.11	2
18	R	-	-	-	88.06	79.55	79.06	1

-

1481.79 K.FFSK*LEVEELAK.Q

psu|PF07_0033 | organism=Plasmodium_falciparum_3D7 | product=Cg4 protein |
 location=MAL7:451089-453 802 – 814

#5416-5416 NL: 3.72E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	12
2	F	295.14	278.12	277.13	1334.72	1317.69	1316.71	11
3	S	382.18	365.15	364.17	1187.65	1170.63	1169.64	10
4	K*	552.28	535.26	534.27	1100.62	1083.59	1082.61	9
5	L	665.37	648.34	647.36	930.51	913.49	912.50	8
6	E	794.41	777.38	776.40	817.43	800.40	799.42	7
7	V	893.48	876.45	875.47	688.39	671.36	670.38	6
8	E	1022.52	1005.49	1004.51	589.32	572.29	571.31	5
9	E	1151.56	1134.54	1133.55	460.28	443.25	442.27	4
10	L	1264.65	1247.62	1246.64	331.23	314.21	313.22	3
11	A	1335.68	1318.66	1317.67	218.15	201.12	200.14	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	12
2	F	148.08	139.56	139.07	667.86	659.35	658.86	11
3	S	191.59	183.08	182.59	594.33	585.82	585.32	10

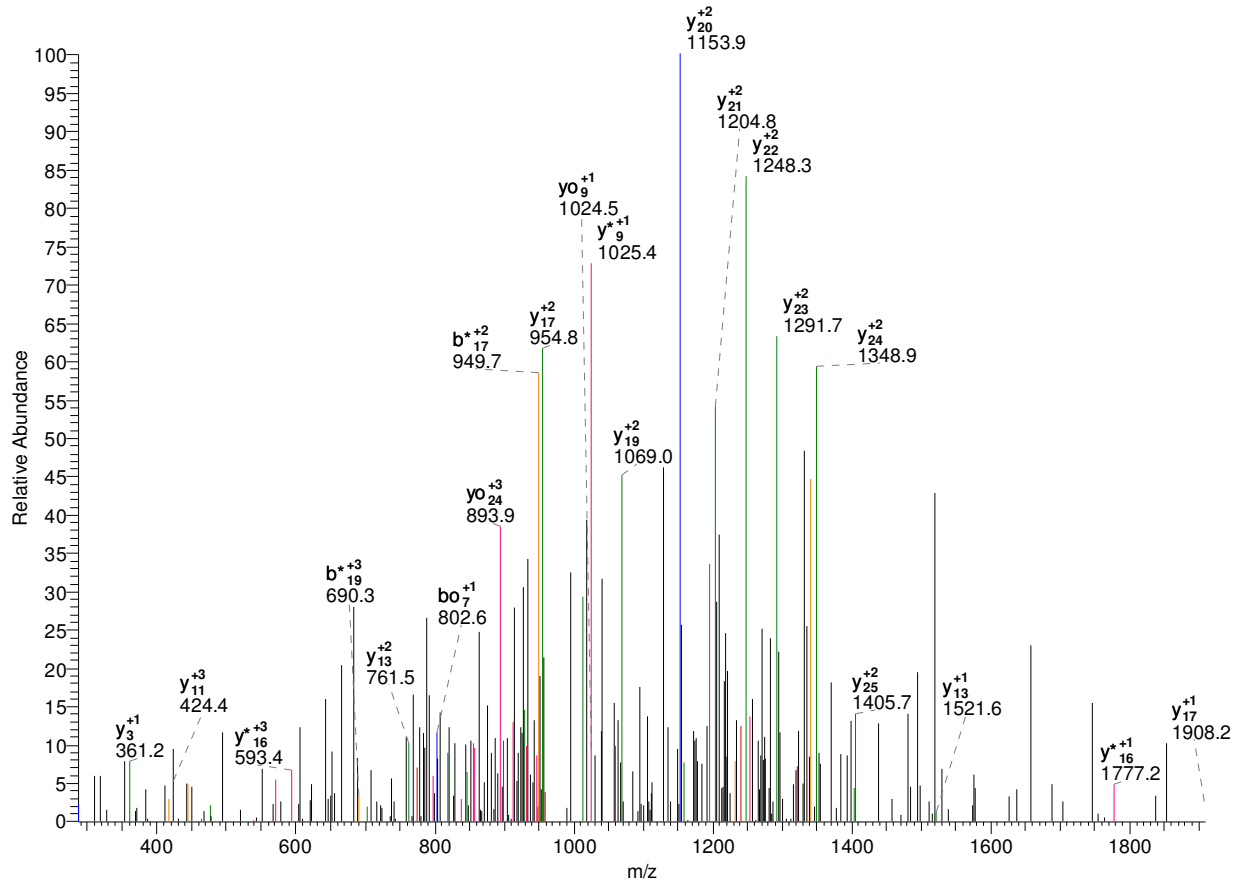
4	K*	276.64	268.13	267.64	550.81	542.30	541.81	9
5	L	333.19	324.67	324.18	465.76	457.25	456.76	8
6	E	397.71	389.19	388.70	409.22	400.71	400.21	7
7	V	447.24	438.73	438.24	344.70	336.18	335.69	6
8	E	511.76	503.25	502.76	295.16	286.65	286.16	5
9	E	576.28	567.77	567.28	230.64	222.13	221.64	4
10	L	632.83	624.31	623.82	166.12	157.61	157.12	3
11	A	668.35	659.83	659.34	109.58	101.07	100.57	2
12	K	-	-	-	74.06	65.55	65.05	1

-

2956.50 K.FLNSSTK*NDNTGNNHLDIGK*LLDTLK.E

psu|PF11_0246 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11: 108 – 134

#8400-8400 NL: 4.05E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	26
2	L	261.16	244.13	243.15	2809.43	2792.41	2791.42	25
3	N	375.20	358.18	357.19	2696.35	2679.32	2678.34	24
4	S	462.23	445.21	444.22	2582.31	2565.28	2564.30	23
5	S	549.27	532.24	531.26	2495.27	2478.25	2477.26	22
6	T	650.31	633.29	632.30	2408.24	2391.22	2390.23	21
7	K*	820.42	803.39	802.41	2307.19	2290.17	2289.18	20
8	N	934.46	917.44	916.45	2137.09	2120.06	2119.08	19
9	D	1049.49	1032.46	1031.48	2023.05	2006.02	2005.03	18
10	N	1163.53	1146.51	1145.52	1908.02	1890.99	1890.01	17
11	T	1264.58	1247.55	1246.57	1793.98	1776.95	1775.97	16
12	G	1321.60	1304.58	1303.59	1692.93	1675.90	1674.92	15
13	N	1435.64	1418.62	1417.63	1635.91	1618.88	1617.90	14
14	N	1549.69	1532.66	1531.68	1521.86	1504.84	1503.85	13
15	H	1686.75	1669.72	1668.74	1407.82	1390.79	1389.81	12
16	L	1799.83	1782.80	1781.82	1270.76	1253.74	1252.75	11
17	D	1914.86	1897.83	1896.85	1157.68	1140.65	1139.67	10
18	I	2027.94	2010.92	2009.93	1042.65	1025.62	1024.64	9

19	G	2084.96	2067.94	2066.95	929.57	912.54	911.56	8
20	K*	2255.07	2238.04	2237.06	872.55	855.52	854.53	7
21	L	2368.15	2351.13	2350.14	702.44	685.41	684.43	6
22	L	2481.24	2464.21	2463.23	589.36	572.33	571.34	5
23	D	2596.26	2579.24	2578.25	476.27	459.24	458.26	4
24	T	2697.31	2680.28	2679.30	361.24	344.22	343.23	3
25	L	2810.40	2793.37	2792.38	260.20	243.17	242.19	2
26	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	26
2	L	131.08	122.57	122.08	1405.22	1396.71	1396.21	25
3	N	188.10	179.59	179.10	1348.68	1340.16	1339.67	24
4	S	231.62	223.11	222.62	1291.66	1283.14	1282.65	23
5	S	275.14	266.62	266.13	1248.14	1239.63	1239.14	22
6	T	325.66	317.15	316.66	1204.62	1196.11	1195.62	21
7	K*	410.71	402.20	401.71	1154.10	1145.59	1145.10	20
8	N	467.74	459.22	458.73	1069.05	1060.53	1060.04	19
9	D	525.25	516.74	516.24	1012.03	1003.51	1003.02	18
10	N	582.27	573.76	573.26	954.51	946.00	945.51	17
11	T	632.79	624.28	623.79	897.49	888.98	888.49	16
12	G	661.30	652.79	652.30	846.97	838.45	837.96	15
13	N	718.33	709.81	709.32	818.46	809.94	809.45	14
14	N	775.35	766.83	766.34	761.44	752.92	752.43	13
15	H	843.88	835.36	834.87	704.41	695.90	695.41	12
16	L	900.42	891.91	891.41	635.88	627.37	626.88	11
17	D	957.93	949.42	948.93	579.34	570.83	570.34	10
18	I	1014.47	1005.96	1005.47	521.83	513.32	512.82	9
19	G	1042.99	1034.47	1033.98	465.29	456.77	456.28	8
20	K*	1128.04	1119.52	1119.03	436.78	428.26	427.77	7
21	L	1184.58	1176.07	1175.57	351.72	343.21	342.72	6
22	L	1241.12	1232.61	1232.12	295.18	286.67	286.18	5
23	D	1298.64	1290.12	1289.63	238.64	230.13	229.63	4
24	T	1349.16	1340.65	1340.15	181.13	172.61	172.12	3
25	L	1405.70	1397.19	1396.70	130.60	122.09	121.60	2
26	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	F	50.03	44.35	44.03	-	-	-	26
2	L	87.72	82.05	81.72	937.15	931.47	931.15	25
3	N	125.74	120.06	119.74	899.45	893.78	893.45	24
4	S	154.75	149.07	148.75	861.44	855.76	855.44	23
5	S	183.76	178.08	177.76	832.43	826.75	826.43	22
6	T	217.44	211.77	211.44	803.42	797.74	797.42	21
7	K*	274.14	268.47	268.14	769.74	764.06	763.73	20
8	N	312.16	306.48	306.16	713.03	707.36	707.03	19
9	D	350.50	344.83	344.50	675.02	669.34	669.02	18
10	N	388.52	382.84	382.51	636.68	631.00	630.67	17
11	T	422.20	416.52	416.19	598.66	592.99	592.66	16
12	G	441.21	435.53	435.20	564.98	559.31	558.98	15
13	N	479.22	473.54	473.22	545.97	540.30	539.97	14
14	N	517.23	511.56	511.23	507.96	502.28	501.96	13
15	H	562.92	557.24	556.92	469.95	464.27	463.94	12
16	L	600.62	594.94	594.61	424.26	418.58	418.26	11

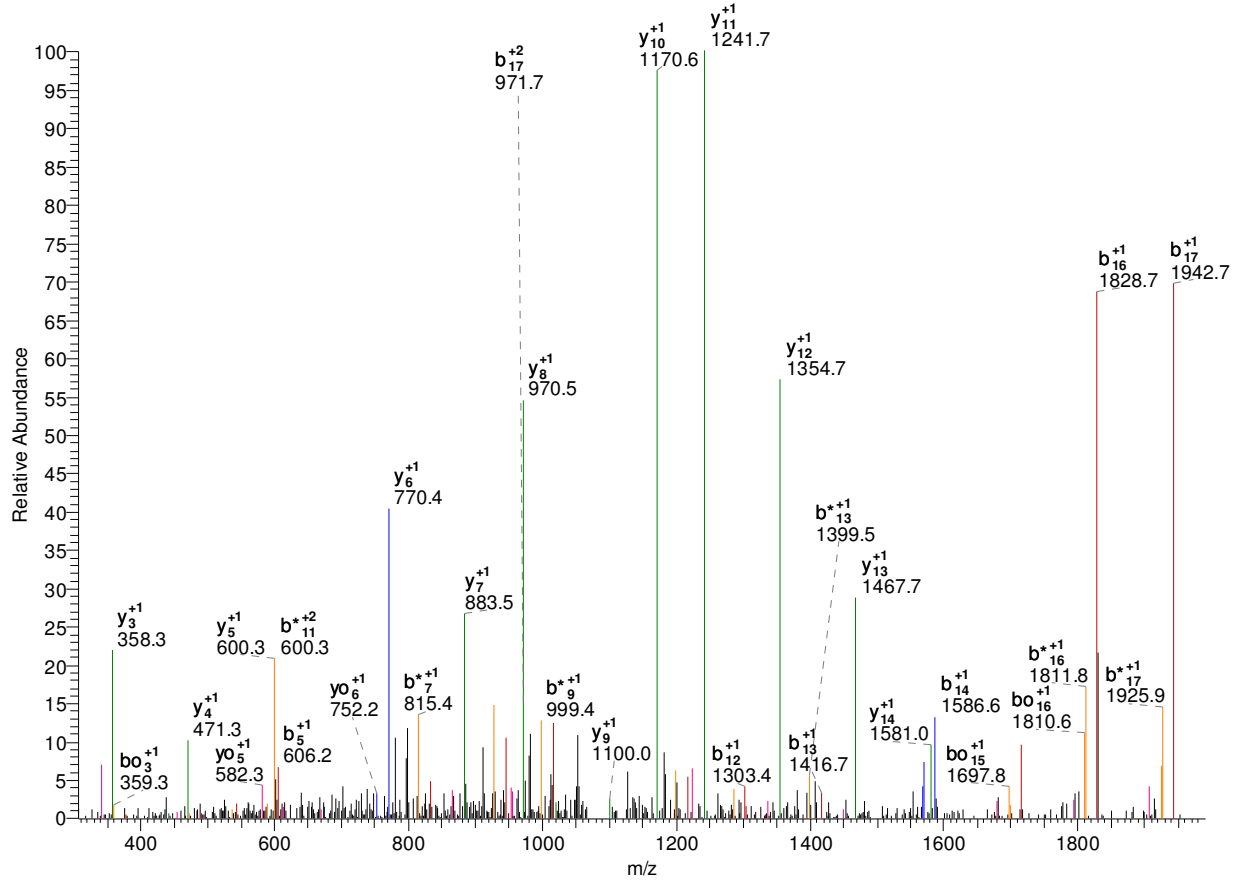
17	D	638.96	633.28	632.95	386.56	380.89	380.56	10
18	I	676.65	670.98	670.65	348.22	342.55	342.22	9
19	G	695.66	689.98	689.66	310.53	304.85	304.52	8
20	K*	752.36	746.69	746.36	291.52	285.84	285.52	7
21	L	790.06	784.38	784.05	234.82	229.14	228.81	6
22	L	827.75	822.07	821.75	197.12	191.45	191.12	5
23	D	866.09	860.42	860.09	159.43	153.75	153.43	4
24	T	899.78	894.10	893.77	121.09	115.41	115.08	3
25	L	937.47	931.79	931.47	87.40	81.73	81.40	2
26	K	-	-	-	49.71	44.03	43.71	1

-

2186.13 K.FNDNDLLLAESLK*ELNPK.Y

psu|PF10_0323 | organism=Plasmodium_falciparum_3D7 | product=early transcribed membrane protein 10. 152 – 171

#8186-8186 NL: 6.95E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	19
2	N	262.12	245.09	244.11	2039.07	2022.04	2021.05	18
3	D	377.15	360.12	359.13	1925.02	1908.00	1907.01	17
4	N	491.19	474.16	473.18	1810.00	1792.97	1791.99	16
5	D	606.22	589.19	588.20	1695.95	1678.93	1677.94	15
6	L	719.30	702.27	701.29	1580.93	1563.90	1562.92	14
7	L	832.38	815.36	814.37	1467.84	1450.82	1449.83	13
8	L	945.47	928.44	927.46	1354.76	1337.73	1336.75	12
9	A	1016.50	999.48	998.49	1241.67	1224.65	1223.66	11
10	A	1087.54	1070.52	1069.53	1170.64	1153.61	1152.63	10
11	E	1216.58	1199.56	1198.57	1099.60	1082.57	1081.59	9
12	S	1303.62	1286.59	1285.61	970.56	953.53	952.55	8
13	L	1416.70	1399.67	1398.69	883.52	866.50	865.51	7
14	K*	1586.81	1569.78	1568.80	770.44	753.41	752.43	6
15	E	1715.85	1698.82	1697.84	600.34	583.31	582.32	5
16	L	1828.93	1811.91	1810.92	471.29	454.27	453.28	4
17	N	1942.98	1925.95	1924.97	358.21	341.18	340.20	3
18	P	2040.03	2023.00	2022.02	244.17	227.14	226.16	2

19	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

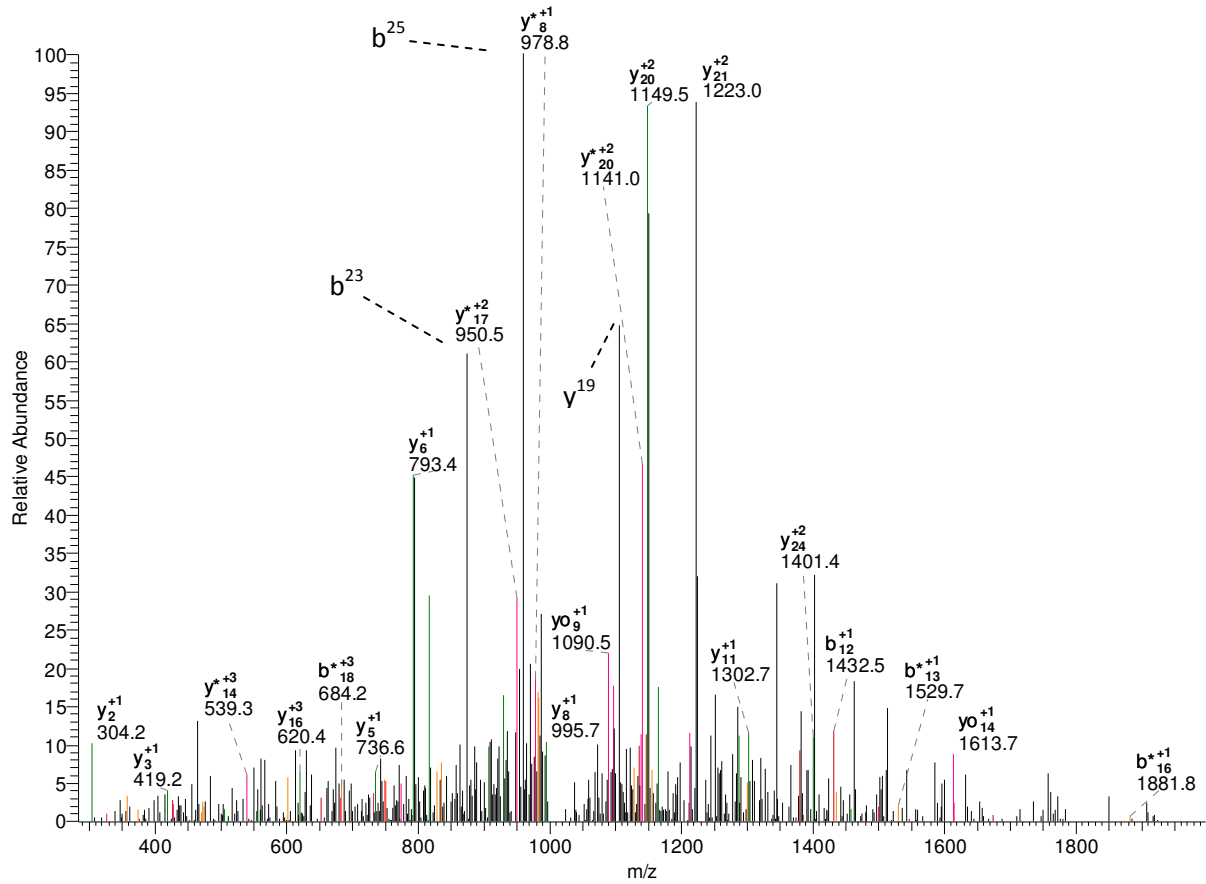
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	19
2	N	131.56	123.05	122.56	1020.04	1011.52	1011.03	18
3	D	189.08	180.56	180.07	963.01	954.50	954.01	17
4	N	246.10	237.58	237.09	905.50	896.99	896.50	16
5	D	303.61	295.10	294.61	848.48	839.97	839.47	15
6	L	360.15	351.64	351.15	790.97	782.45	781.96	14
7	L	416.70	408.18	407.69	734.42	725.91	725.42	13
8	L	473.24	464.72	464.23	677.88	669.37	668.88	12
9	A	508.76	500.24	499.75	621.34	612.83	612.34	11
10	A	544.27	535.76	535.27	585.82	577.31	576.82	10
11	E	608.80	600.28	599.79	550.30	541.79	541.30	9
12	S	652.31	643.80	643.31	485.78	477.27	476.78	8
13	L	708.85	700.34	699.85	442.27	433.75	433.26	7
14	K*	793.91	785.39	784.90	385.72	377.21	376.72	6
15	E	858.43	849.91	849.42	300.67	292.16	291.67	5
16	L	914.97	906.46	905.96	236.15	227.64	227.14	4
17	N	971.99	963.48	962.99	179.61	171.09	170.60	3
18	P	1020.52	1012.00	1011.51	122.59	114.07	113.58	2
19	K	-	-	-	74.06	65.55	65.05	1

-

3063.35 K.FNDNQSFFFGIDNQSHGLSDGFK*DER.C

psu|PF10_0020 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 398 – 424

#8283-8283 NL: 1.27E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	26
2	N	262.12	245.09	244.11	2916.28	2899.26	2898.27	25
3	D	377.15	360.12	359.13	2802.24	2785.21	2784.23	24
4	N	491.19	474.16	473.18	2687.21	2670.19	2669.20	23
5	Q	619.25	602.22	601.24	2573.17	2556.14	2555.16	22
6	F	766.32	749.29	748.30	2445.11	2428.08	2427.10	21
7	S	853.35	836.32	835.34	2298.04	2281.02	2280.03	20
8	F	1000.42	983.39	982.41	2211.01	2193.98	2193.00	19
9	F	1147.48	1130.46	1129.47	2063.94	2046.92	2045.93	18
10	G	1204.51	1187.48	1186.50	1916.87	1899.85	1898.86	17
11	I	1317.59	1300.56	1299.58	1859.85	1842.83	1841.84	16
12	D	1432.62	1415.59	1414.61	1746.77	1729.74	1728.76	15
13	N	1546.66	1529.63	1528.65	1631.74	1614.71	1613.73	14
14	Q	1674.72	1657.69	1656.71	1517.70	1500.67	1499.69	13
15	S	1761.75	1744.72	1743.74	1389.64	1372.61	1371.63	12
16	H	1898.81	1881.78	1880.80	1302.61	1285.58	1284.60	11
17	G	1955.83	1938.80	1937.82	1165.55	1148.52	1147.54	10
18	L	2068.91	2051.89	2050.90	1108.53	1091.50	1090.52	9
19	S	2155.95	2138.92	2137.94	995.44	978.42	977.43	8
20	D	2270.97	2253.95	2252.96	908.41	891.38	890.40	7

21	G	2328.00	2310.97	2309.98	793.38	776.36	775.37	6
22	F	2475.06	2458.04	2457.05	736.36	719.34	718.35	5
23	K*	2645.17	2628.14	2627.16	589.29	572.27	571.28	4
24	D	2760.20	2743.17	2742.19	419.19	402.16	401.18	3
25	E	2889.24	2872.21	2871.23	304.16	287.13	286.15	2
26	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	26
2	N	131.56	123.05	122.56	1458.64	1450.13	1449.64	25
3	D	189.08	180.56	180.07	1401.62	1393.11	1392.62	24
4	N	246.10	237.58	237.09	1344.11	1335.60	1335.10	23
5	Q	310.13	301.61	301.12	1287.09	1278.57	1278.08	22
6	F	383.66	375.15	374.66	1223.06	1214.55	1214.05	21
7	S	427.18	418.66	418.17	1149.52	1141.01	1140.52	20
8	F	500.71	492.20	491.71	1106.01	1097.50	1097.00	19
9	F	574.25	565.73	565.24	1032.47	1023.96	1023.47	18
10	G	602.76	594.24	593.75	958.94	950.43	949.94	17
11	I	659.30	650.79	650.29	930.43	921.92	921.42	16
12	D	716.81	708.30	707.81	873.89	865.37	864.88	15
13	N	773.83	765.32	764.83	816.37	807.86	807.37	14
14	Q	837.86	829.35	828.86	759.35	750.84	750.35	13
15	S	881.38	872.87	872.37	695.32	686.81	686.32	12
16	H	949.91	941.39	940.90	651.81	643.29	642.80	11
17	G	978.42	969.91	969.41	583.28	574.76	574.27	10
18	L	1034.96	1026.45	1025.96	554.77	546.25	545.76	9
19	S	1078.48	1069.96	1069.47	498.23	489.71	489.22	8
20	D	1135.99	1127.48	1126.99	454.71	446.20	445.70	7
21	G	1164.50	1155.99	1155.50	397.20	388.68	388.19	6
22	F	1238.04	1229.52	1229.03	368.68	360.17	359.68	5
23	K*	1323.09	1314.57	1314.08	295.15	286.64	286.15	4
24	D	1380.60	1372.09	1371.60	210.10	201.58	201.09	3
25	E	1445.12	1436.61	1436.12	152.58	144.07	143.58	2
26	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	F	50.03	44.35	44.03	-	-	-	26
2	N	88.04	82.37	82.04	972.77	967.09	966.76	25
3	D	126.39	120.71	120.38	934.75	929.08	928.75	24
4	N	164.40	158.73	158.40	896.41	890.73	890.41	23
5	Q	207.09	201.41	201.08	858.39	852.72	852.39	22
6	F	256.11	250.43	250.11	815.71	810.03	809.70	21
7	S	285.12	279.45	279.12	766.69	761.01	760.68	20
8	F	334.14	328.47	328.14	737.67	732.00	731.67	19
9	F	383.17	377.49	377.16	688.65	682.98	682.65	18
10	G	402.17	396.50	396.17	639.63	633.95	633.63	17
11	I	439.87	434.19	433.86	620.62	614.95	614.62	16
12	D	478.21	472.53	472.21	582.93	577.25	576.92	15
13	N	516.22	510.55	510.22	544.59	538.91	538.58	14
14	Q	558.91	553.24	552.91	506.57	500.90	500.57	13
15	S	587.92	582.25	581.92	463.88	458.21	457.88	12
16	H	633.61	627.93	627.60	434.87	429.20	428.87	11
17	G	652.62	646.94	646.61	389.19	383.51	383.18	10
18	L	690.31	684.63	684.31	370.18	364.50	364.18	9

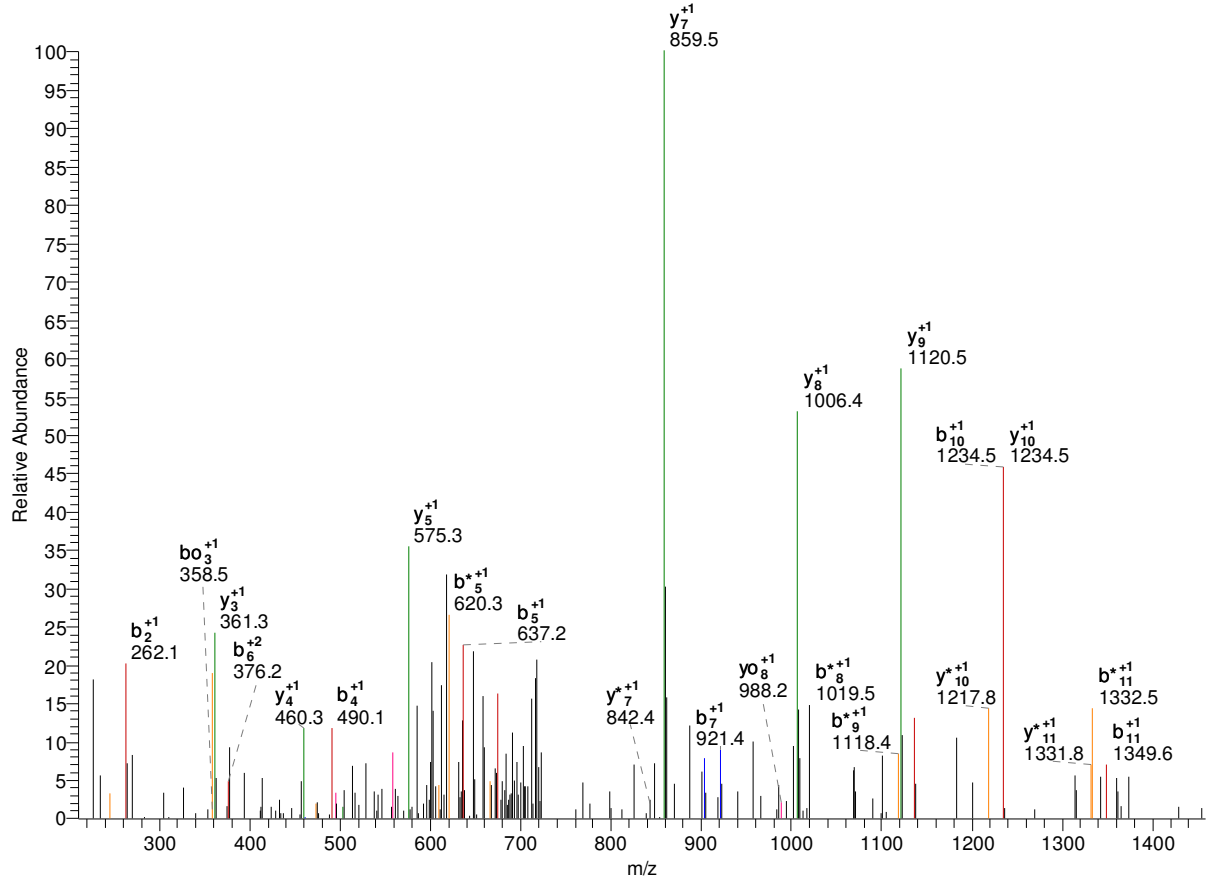
19	S	719.32	713.64	713.32	332.49	326.81	326.48	8
20	D	757.66	751.99	751.66	303.48	297.80	297.47	7
21	G	776.67	770.99	770.67	265.13	259.46	259.13	6
22	F	825.69	820.02	819.69	246.13	240.45	240.12	5
23	K*	882.39	876.72	876.39	197.10	191.43	191.10	4
24	D	920.74	915.06	914.73	140.40	134.73	134.40	3
25	E	963.75	958.08	957.75	102.06	96.38	96.06	2
26	R	-	-	-	59.04	53.37	53.04	1

-

1495.72 K.FNNNFNK*DVVDK.I

psu|PFI1475w | organism=Plasmodium_falciparum_3D7 | product=merozoite surface protein 1, precursor 520 – 532

#2583-2583 NL: 6.03E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	12
2	N	262.12	245.09	244.11	1348.65	1331.62	1330.64	11
3	N	376.16	359.13	358.15	1234.61	1217.58	1216.60	10
4	N	490.20	473.18	472.19	1120.56	1103.54	1102.55	9
5	F	637.27	620.25	619.26	1006.52	989.49	988.51	8
6	N	751.32	734.29	733.31	859.45	842.43	841.44	7
7	K*	921.42	904.39	903.41	745.41	728.38	727.40	6
8	D	1036.45	1019.42	1018.44	575.30	558.28	557.29	5
9	V	1135.52	1118.49	1117.51	460.28	443.25	442.27	4
10	V	1234.59	1217.56	1216.57	361.21	344.18	343.20	3
11	D	1349.61	1332.59	1331.60	262.14	245.11	244.13	2
12	K	-	-	-	147.11	130.09	129.10	1

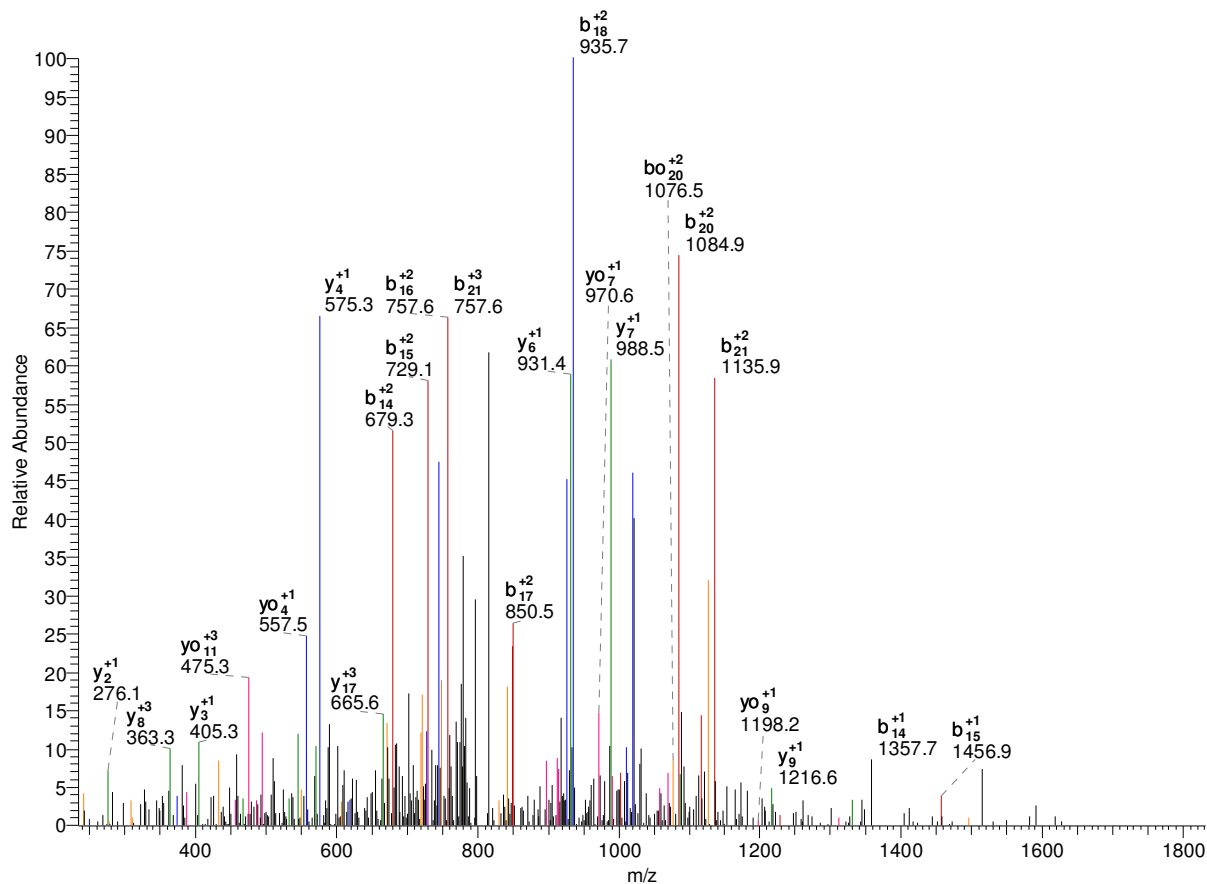
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	12
2	N	131.56	123.05	122.56	674.83	666.31	665.82	11
3	N	188.58	180.07	179.58	617.81	609.29	608.80	10
4	N	245.61	237.09	236.60	560.79	552.27	551.78	9
5	F	319.14	310.63	310.13	503.76	495.25	494.76	8
6	N	376.16	367.65	367.16	430.23	421.72	421.22	7
7	K*	461.21	452.70	452.21	373.21	364.69	364.20	6
8	D	518.73	510.21	509.72	288.16	279.64	279.15	5
9	V	568.26	559.75	559.26	230.64	222.13	221.64	4
10	V	617.80	609.28	608.79	181.11	172.59	172.10	3
11	D	675.31	666.80	666.30	131.57	123.06	122.57	2
12	K	-	-	-	74.06	65.55	65.05	1

-

2444.33 K.GAALHPSTIPGLLEVGWK*K*ETR.E

psu|PF08_0034 | organism=Plasmodium_falciparum_3D7 | product=histone acetyltransferase Gcn5, putati 1346 – 1368

#8751-8751 NL: 1.47E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	22
2	A	129.07	112.04	111.06	2387.31	2370.28	2369.30	21
3	A	200.10	183.08	182.09	2316.27	2299.24	2298.26	20
4	L	313.19	296.16	295.18	2245.23	2228.21	2227.22	19
5	H	450.25	433.22	432.24	2132.15	2115.12	2114.14	18
6	P	547.30	530.27	529.29	1995.09	1978.06	1977.08	17
7	S	634.33	617.30	616.32	1898.04	1881.01	1880.03	16
8	T	735.38	718.35	717.37	1811.01	1793.98	1793.00	15
9	I	848.46	831.44	830.45	1709.96	1692.93	1691.95	14
10	P	945.52	928.49	927.50	1596.87	1579.85	1578.86	13
11	G	1002.54	985.51	984.53	1499.82	1482.80	1481.81	12
12	L	1115.62	1098.59	1097.61	1442.80	1425.77	1424.79	11
13	L	1228.70	1211.68	1210.69	1329.72	1312.69	1311.71	10
14	E	1357.75	1340.72	1339.74	1216.63	1199.61	1198.62	9
15	V	1456.82	1439.79	1438.81	1087.59	1070.56	1069.58	8
16	G	1513.84	1496.81	1495.83	988.52	971.49	970.51	7
17	W	1699.92	1682.89	1681.91	931.50	914.47	913.49	6
18	K*	1870.02	1853.00	1852.01	745.42	728.39	727.41	5

19	K*	2040.13	2023.10	2022.12	575.31	558.29	557.30	4
20	E	2169.17	2152.14	2151.16	405.21	388.18	387.20	3
21	T	2270.22	2253.19	2252.21	276.17	259.14	258.16	2
22	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	22
2	A	65.04	56.52	56.03	1194.16	1185.64	1185.15	21
3	A	100.56	92.04	91.55	1158.64	1150.13	1149.63	20
4	L	157.10	148.58	148.09	1123.12	1114.61	1114.12	19
5	H	225.63	217.11	216.62	1066.58	1058.07	1057.57	18
6	P	274.15	265.64	265.15	998.05	989.54	989.04	17
7	S	317.67	309.16	308.66	949.52	941.01	940.52	16
8	T	368.19	359.68	359.19	906.01	897.49	897.00	15
9	I	424.73	416.22	415.73	855.48	846.97	846.48	14
10	P	473.26	464.75	464.26	798.94	790.43	789.94	13
11	G	501.77	493.26	492.77	750.41	741.90	741.41	12
12	L	558.31	549.80	549.31	721.90	713.39	712.90	11
13	L	614.86	606.34	605.85	665.36	656.85	656.36	10
14	E	679.38	670.86	670.37	608.82	600.31	599.81	9
15	V	728.91	720.40	719.91	544.30	535.79	535.29	8
16	G	757.42	748.91	748.42	494.76	486.25	485.76	7
17	W	850.46	841.95	841.46	466.25	457.74	457.25	6
18	K*	935.51	927.00	926.51	373.21	364.70	364.21	5
19	K*	1020.57	1012.05	1011.56	288.16	279.65	279.16	4
20	E	1085.09	1076.58	1076.08	203.11	194.59	194.10	3
21	T	1135.61	1127.10	1126.61	138.59	130.07	129.58	2
22	R	-	-	-	88.06	79.55	79.06	1

-

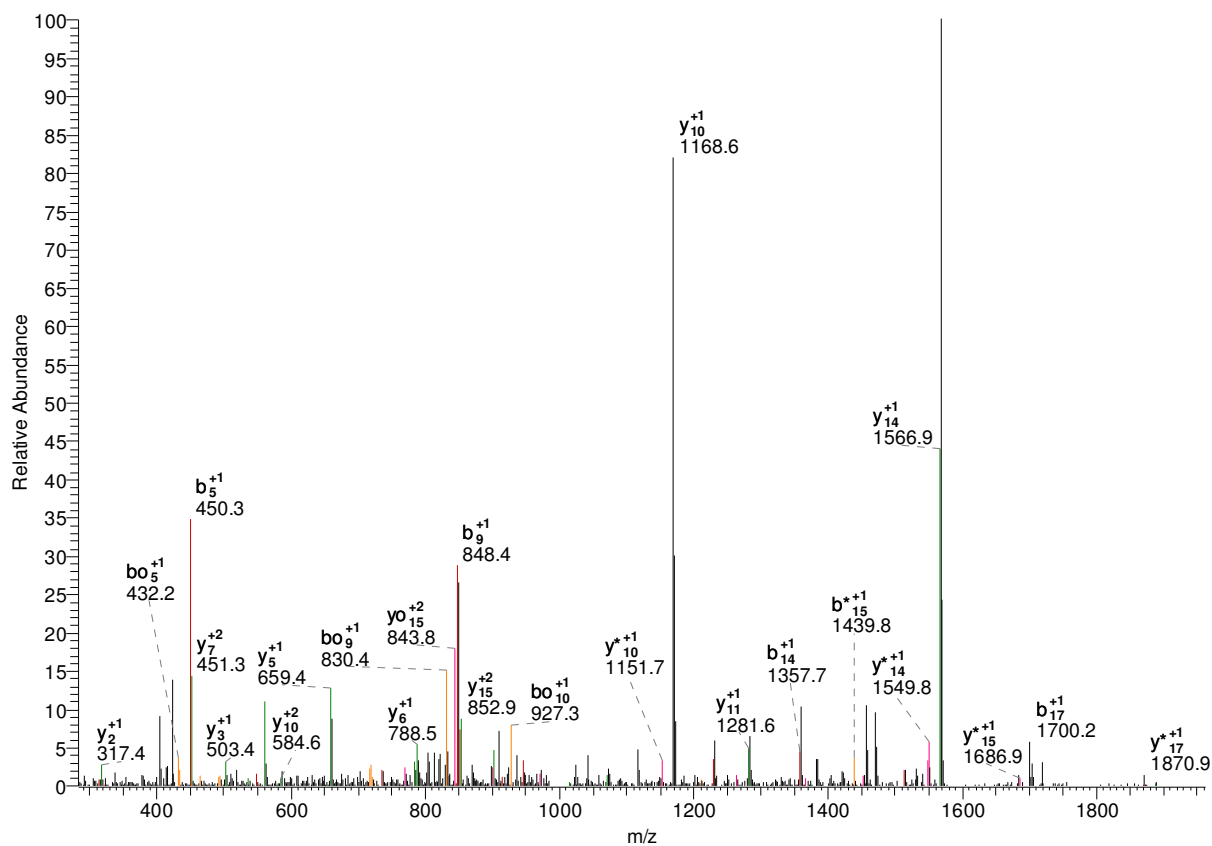
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	G	20.01	14.34	14.01	-	-	-	22
2	A	43.69	38.02	37.69	796.44	790.77	790.44	21
3	A	67.37	61.70	61.37	772.76	767.09	766.76	20
4	L	105.07	99.39	99.06	749.08	743.41	743.08	19
5	H	150.75	145.08	144.75	711.39	705.71	705.38	18
6	P	183.10	177.43	177.10	665.70	660.03	659.70	17
7	S	212.12	206.44	206.11	633.35	627.68	627.35	16
8	T	245.80	240.12	239.79	604.34	598.66	598.34	15
9	I	283.49	277.82	277.49	570.66	564.98	564.65	14
10	P	315.84	310.17	309.84	532.96	527.29	526.96	13
11	G	334.85	329.17	328.85	500.61	494.94	494.61	12
12	L	372.55	366.87	366.54	481.60	475.93	475.60	11
13	L	410.24	404.56	404.24	443.91	438.23	437.91	10
14	E	453.25	447.58	447.25	406.22	400.54	400.21	9
15	V	486.28	480.60	480.27	363.20	357.53	357.20	8
16	G	505.28	499.61	499.28	330.18	324.50	324.18	7
17	W	567.31	561.63	561.31	311.17	305.50	305.17	6
18	K*	624.01	618.34	618.01	249.14	243.47	243.14	5
19	K*	680.71	675.04	674.71	192.44	186.77	186.44	4
20	E	723.73	718.05	717.72	135.74	130.07	129.74	3
21	T	757.41	751.74	751.41	92.73	87.05	86.72	2
22	R	-	-	-	59.04	53.37	53.04	1

-

2016.13 K.GAALHPSTIPGLLEVGWKK*.E

psu|PF08_0034 | organism=Plasmodium_falciparum_3D7 | product=histone acetyltransferase Gcn5, putati 1346 – 1365

#8014-8014 NL: 2.61E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	19
2	A	129.07	112.04	111.06	1959.11	1942.08	1941.10	18
3	A	200.10	183.08	182.09	1888.07	1871.04	1870.06	17
4	L	313.19	296.16	295.18	1817.03	1800.01	1799.02	16
5	H	450.25	433.22	432.24	1703.95	1686.92	1685.94	15
6	P	547.30	530.27	529.29	1566.89	1549.86	1548.88	14
7	S	634.33	617.30	616.32	1469.84	1452.81	1451.83	13
8	T	735.38	718.35	717.37	1382.80	1365.78	1364.79	12
9	I	848.46	831.44	830.45	1281.76	1264.73	1263.75	11
10	P	945.52	928.49	927.50	1168.67	1151.65	1150.66	10
11	G	1002.54	985.51	984.53	1071.62	1054.59	1053.61	9
12	L	1115.62	1098.59	1097.61	1014.60	997.57	996.59	8
13	L	1228.70	1211.68	1210.69	901.51	884.49	883.50	7
14	E	1357.75	1340.72	1339.74	788.43	771.40	770.42	6
15	V	1456.82	1439.79	1438.81	659.39	642.36	641.38	5
16	G	1513.84	1496.81	1495.83	560.32	543.29	542.31	4

17	W	1699.92	1682.89	1681.91	503.30	486.27	485.29	3
18	K	1828.01	1810.99	1810.00	317.22	300.19	299.21	2
19	K*	-	-	-	189.12	172.10	171.11	1

—

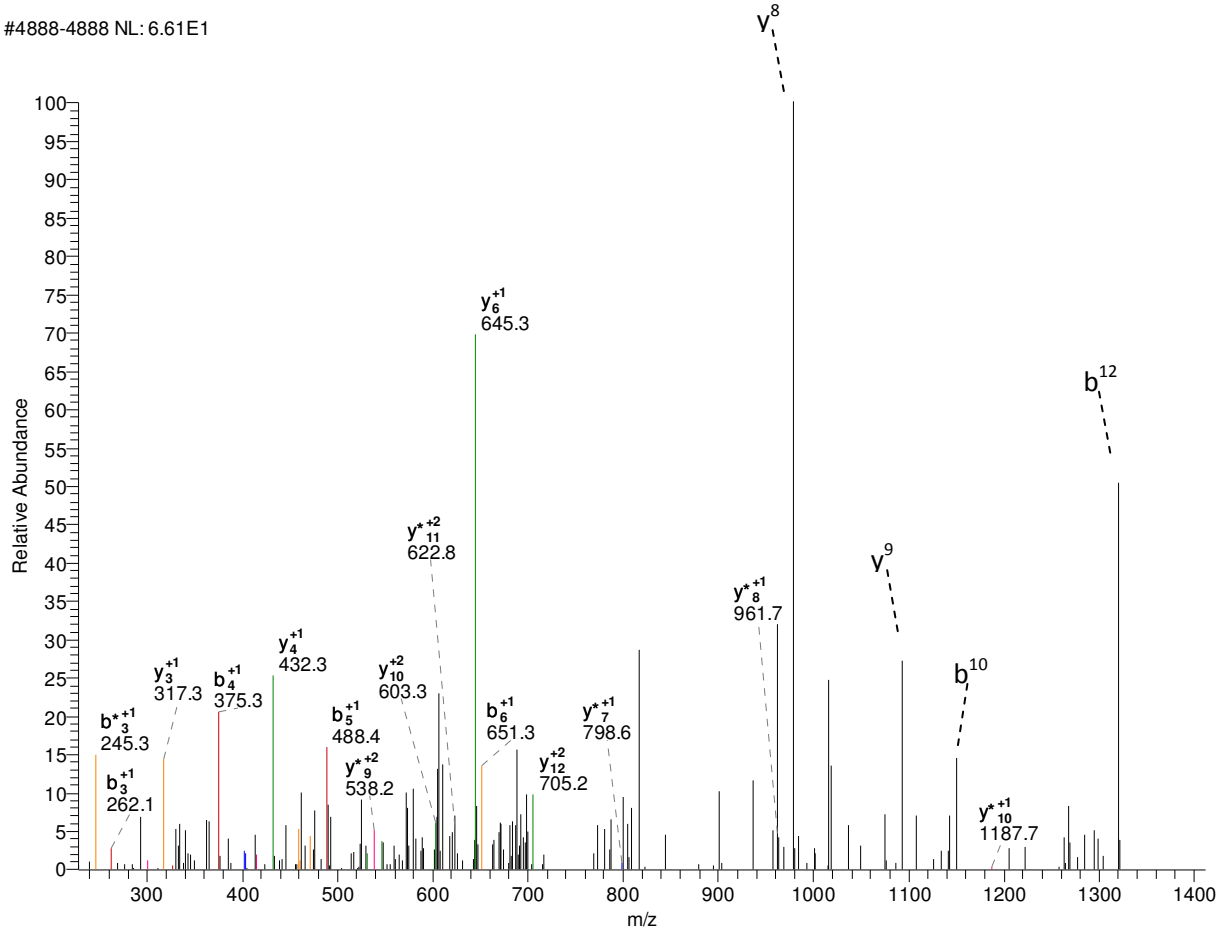
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	19
2	A	65.04	56.52	56.03	980.06	971.54	971.05	18
3	A	100.56	92.04	91.55	944.54	936.02	935.53	17
4	L	157.10	148.58	148.09	909.02	900.51	900.01	16
5	H	225.63	217.11	216.62	852.48	843.96	843.47	15
6	P	274.15	265.64	265.15	783.95	775.43	774.94	14
7	S	317.67	309.16	308.66	735.42	726.91	726.42	13
8	T	368.19	359.68	359.19	691.91	683.39	682.90	12
9	I	424.73	416.22	415.73	641.38	632.87	632.38	11
10	P	473.26	464.75	464.26	584.84	576.33	575.83	10
11	G	501.77	493.26	492.77	536.31	527.80	527.31	9
12	L	558.31	549.80	549.31	507.80	499.29	498.80	8
13	L	614.86	606.34	605.85	451.26	442.75	442.26	7
14	E	679.38	670.86	670.37	394.72	386.21	385.71	6
15	V	728.91	720.40	719.91	330.20	321.68	321.19	5
16	G	757.42	748.91	748.42	280.66	272.15	271.66	4
17	W	850.46	841.95	841.46	252.15	243.64	243.15	3
18	K	914.51	906.00	905.50	159.11	150.60	150.11	2
19	K*	-	-	-	95.07	86.55	86.06	1

—

1465.80 K.GFGLIYK*NVDAVK.K

psu|PFE0975c | organism=Plasmodium_falciparum_3D7 | product=40S ribosomal subunit protein S24, puta 71 – 84

#4888-4888 NL: 6.61E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	13
2	F	205.10	188.07	187.09	1408.78	1391.76	1390.77	12
3	G	262.12	245.09	244.11	1261.72	1244.69	1243.70	11
4	L	375.20	358.18	357.19	1204.69	1187.67	1186.68	10
5	I	488.29	471.26	470.28	1091.61	1074.58	1073.60	9
6	Y	651.35	634.32	633.34	978.53	961.50	960.51	8
7	K*	821.46	804.43	803.45	815.46	798.44	797.45	7
8	N	935.50	918.47	917.49	645.36	628.33	627.35	6
9	V	1034.57	1017.54	1016.56	531.31	514.29	513.30	5
10	D	1149.59	1132.57	1131.58	432.25	415.22	414.23	4
11	A	1220.63	1203.60	1202.62	317.22	300.19	299.21	3
12	V	1319.70	1302.67	1301.69	246.18	229.15	228.17	2
13	K	-	-	-	147.11	130.09	129.10	1

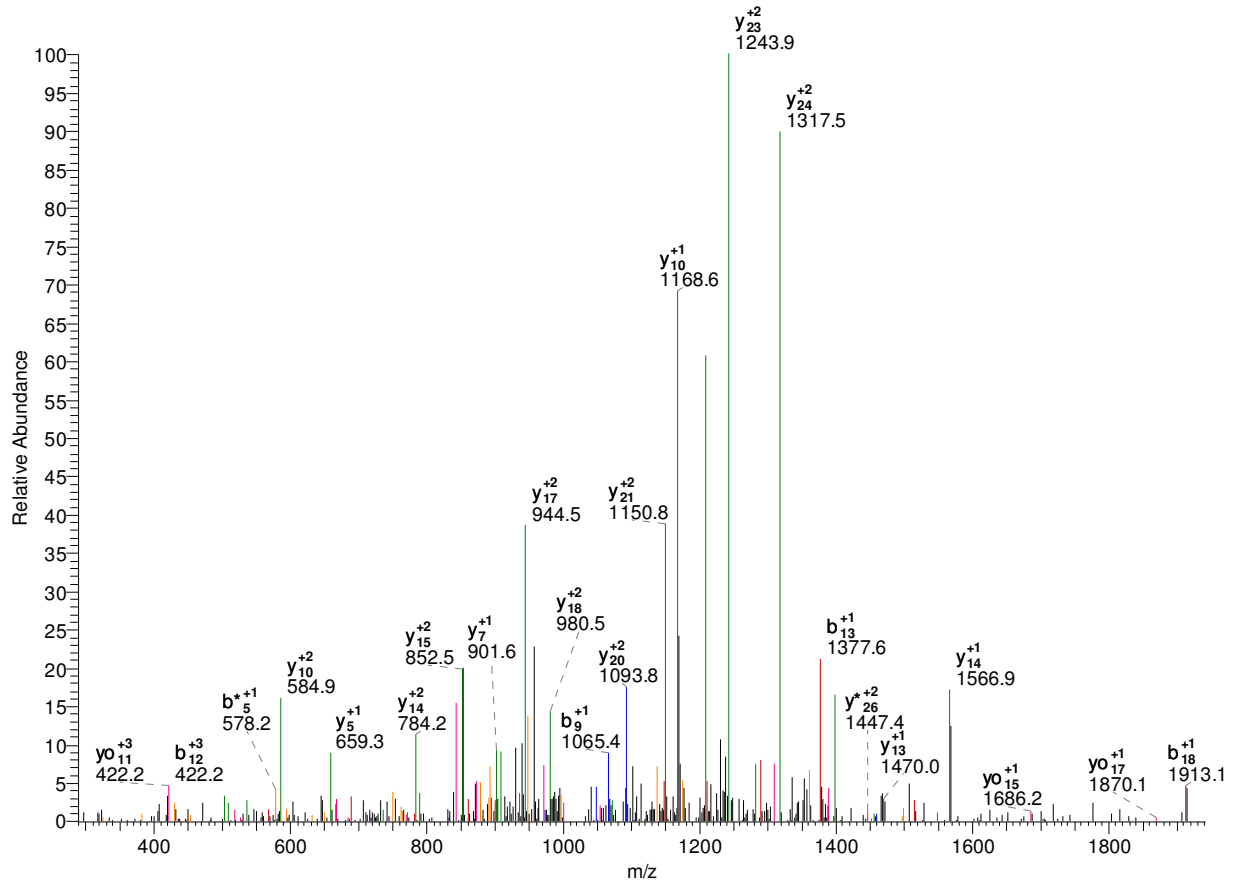
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	13
2	F	103.05	94.54	94.05	704.90	696.38	695.89	12
3	G	131.56	123.05	122.56	631.36	622.85	622.36	11
4	L	188.10	179.59	179.10	602.85	594.34	593.85	10
5	I	244.65	236.13	235.64	546.31	537.80	537.30	9
6	Y	326.18	317.67	317.17	489.77	481.25	480.76	8
7	K*	411.23	402.72	402.23	408.23	399.72	399.23	7
8	N	468.25	459.74	459.25	323.18	314.67	314.18	6
9	V	517.79	509.27	508.78	266.16	257.65	257.16	5
10	D	575.30	566.79	566.30	216.63	208.11	207.62	4
11	A	610.82	602.31	601.81	159.11	150.60	150.11	3
12	V	660.35	651.84	651.35	123.59	115.08	114.59	2
13	K	-	-	-	74.06	65.55	65.05	1

-

3080.62 K.GINYFADNK*GAALHPSTIPGLLEVGWK*K.E

psu|PF08_0034 | organism=Plasmodium_falciparum_3D7 | product=histone acetyltransferase Gcn5, putati 1337 – 1365

#9713-9713 NL: 3.86E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	28
2	I	171.11	154.09	153.10	3023.60	3006.57	3005.59	27
3	N	285.16	268.13	267.15	2910.51	2893.49	2892.50	26
4	Y	448.22	431.19	430.21	2796.47	2779.45	2778.46	25
5	F	595.29	578.26	577.28	2633.41	2616.38	2615.40	24
6	A	666.32	649.30	648.31	2486.34	2469.31	2468.33	23
7	D	781.35	764.32	763.34	2415.30	2398.28	2397.29	22
8	N	895.39	878.37	877.38	2300.28	2283.25	2282.27	21
9	K*	1065.50	1048.47	1047.49	2186.23	2169.21	2168.22	20
10	G	1122.52	1105.49	1104.51	2016.13	1999.10	1998.12	19
11	A	1193.56	1176.53	1175.55	1959.11	1942.08	1941.10	18
12	A	1264.60	1247.57	1246.59	1888.07	1871.04	1870.06	17
13	L	1377.68	1360.65	1359.67	1817.03	1800.01	1799.02	16
14	H	1514.74	1497.71	1496.73	1703.95	1686.92	1685.94	15
15	P	1611.79	1594.76	1593.78	1566.89	1549.86	1548.88	14
16	S	1698.82	1681.80	1680.81	1469.84	1452.81	1451.83	13
17	T	1799.87	1782.84	1781.86	1382.80	1365.78	1364.79	12
18	I	1912.96	1895.93	1894.94	1281.76	1264.73	1263.75	11

19	P	2010.01	1992.98	1992.00	1168.67	1151.65	1150.66	10
20	G	2067.03	2050.00	2049.02	1071.62	1054.59	1053.61	9
21	L	2180.11	2163.09	2162.10	1014.60	997.57	996.59	8
22	L	2293.20	2276.17	2275.19	901.51	884.49	883.50	7
23	E	2422.24	2405.21	2404.23	788.43	771.40	770.42	6
24	V	2521.31	2504.28	2503.30	659.39	642.36	641.38	5
25	G	2578.33	2561.30	2560.32	560.32	543.29	542.31	4
26	W	2764.41	2747.38	2746.40	503.30	486.27	485.29	3
27	K*	2934.51	2917.49	2916.50	317.22	300.19	299.21	2
28	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	28
2	I	86.06	77.55	77.05	1512.30	1503.79	1503.30	27
3	N	143.08	134.57	134.08	1455.76	1447.25	1446.76	26
4	Y	224.61	216.10	215.61	1398.74	1390.23	1389.73	25
5	F	298.15	289.63	289.14	1317.21	1308.69	1308.20	24
6	A	333.67	325.15	324.66	1243.67	1235.16	1234.67	23
7	D	391.18	382.67	382.17	1208.16	1199.64	1199.15	22
8	N	448.20	439.69	439.20	1150.64	1142.13	1141.64	21
9	K*	533.25	524.74	524.25	1093.62	1085.11	1084.61	20
10	G	561.76	553.25	552.76	1008.57	1000.05	999.56	19
11	A	597.28	588.77	588.28	980.06	971.54	971.05	18
12	A	632.80	624.29	623.80	944.54	936.02	935.53	17
13	L	689.34	680.83	680.34	909.02	900.51	900.01	16
14	H	757.87	749.36	748.87	852.48	843.96	843.47	15
15	P	806.40	797.89	797.39	783.95	775.43	774.94	14
16	S	849.92	841.40	840.91	735.42	726.91	726.42	13
17	T	900.44	891.93	891.43	691.91	683.39	682.90	12
18	I	956.98	948.47	947.98	641.38	632.87	632.38	11
19	P	1005.51	996.99	996.50	584.84	576.33	575.83	10
20	G	1034.02	1025.51	1025.01	536.31	527.80	527.31	9
21	L	1090.56	1082.05	1081.56	507.80	499.29	498.80	8
22	L	1147.10	1138.59	1138.10	451.26	442.75	442.26	7
23	E	1211.62	1203.11	1202.62	394.72	386.21	385.71	6
24	V	1261.16	1252.64	1252.15	330.20	321.68	321.19	5
25	G	1289.67	1281.16	1280.66	280.66	272.15	271.66	4
26	W	1382.71	1374.20	1373.70	252.15	243.64	243.15	3
27	K*	1467.76	1459.25	1458.76	159.11	150.60	150.11	2
28	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	G	20.01	14.34	14.01	-	-	-	28
2	I	57.71	52.03	51.71	1008.54	1002.86	1002.53	27
3	N	95.72	90.05	89.72	970.84	965.17	964.84	26
4	Y	150.08	144.40	144.07	932.83	927.15	926.83	25
5	F	199.10	193.43	193.10	878.47	872.80	872.47	24
6	A	222.78	217.10	216.78	829.45	823.78	823.45	23
7	D	261.12	255.45	255.12	805.77	800.10	799.77	22
8	N	299.14	293.46	293.13	767.43	761.75	761.43	21
9	K*	355.84	350.16	349.83	729.42	723.74	723.41	20
10	G	374.85	369.17	368.84	672.71	667.04	666.71	19
11	A	398.52	392.85	392.52	653.71	648.03	647.70	18
12	A	422.20	416.53	416.20	630.03	624.35	624.02	17

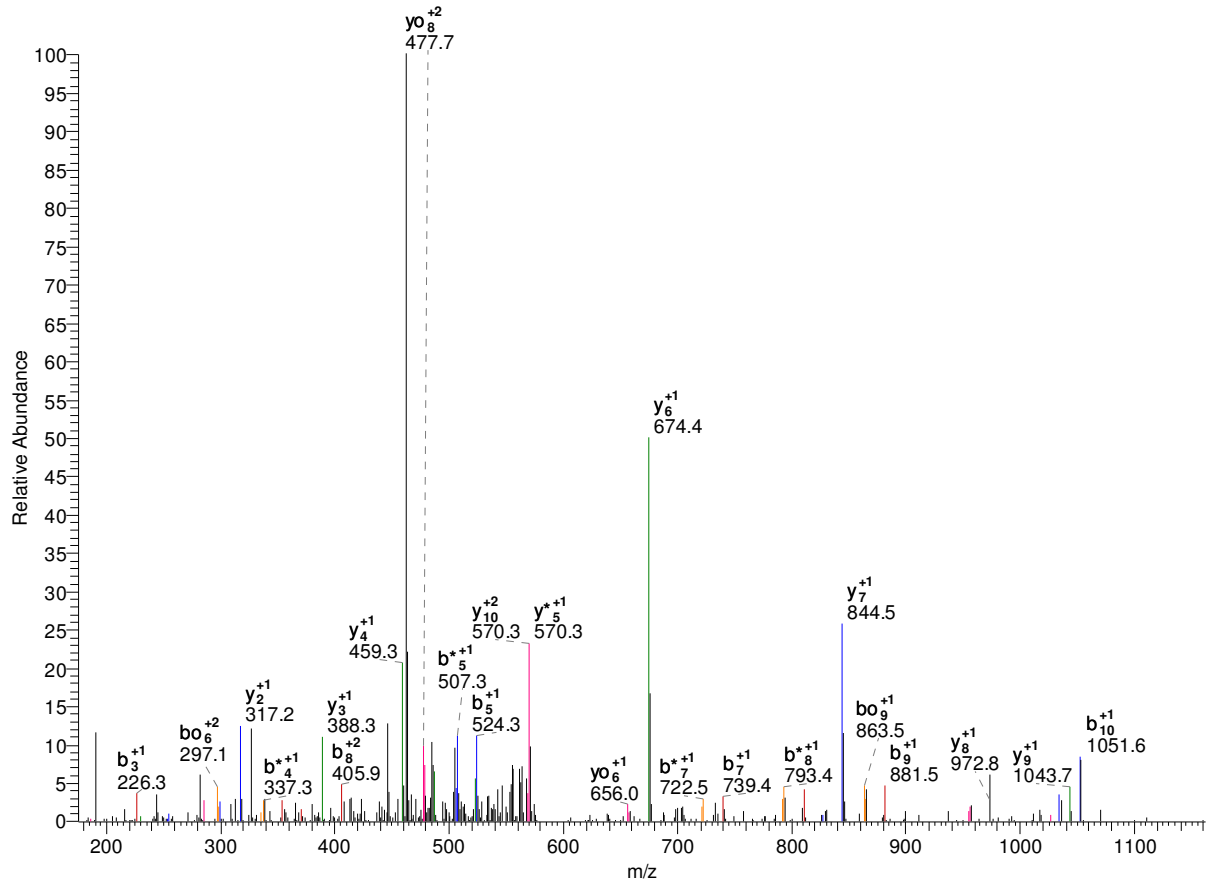
13	L	459.90	454.22	453.89	606.35	600.67	600.35	16
14	H	505.58	499.91	499.58	568.65	562.98	562.65	15
15	P	537.94	532.26	531.93	522.97	517.29	516.96	14
16	S	566.95	561.27	560.94	490.62	484.94	484.61	13
17	T	600.63	594.95	594.63	461.61	455.93	455.60	12
18	I	638.32	632.65	632.32	427.92	422.25	421.92	11
19	P	670.67	665.00	664.67	390.23	384.55	384.23	10
20	G	689.68	684.01	683.68	357.88	352.20	351.87	9
21	L	727.38	721.70	721.37	338.87	333.20	332.87	8
22	L	765.07	759.40	759.07	301.18	295.50	295.17	7
23	E	808.08	802.41	802.08	263.48	257.81	257.48	6
24	V	841.11	835.43	835.10	220.47	214.79	214.46	5
25	G	860.11	854.44	854.11	187.44	181.77	181.44	4
26	W	922.14	916.47	916.14	168.44	162.76	162.43	3
27	K*	978.84	973.17	972.84	106.41	100.74	100.41	2
28	K	-	-	-	49.71	44.03	43.71	1

-

1197.66 K.GPAQK*SQAAK*K.T

psu|PF07_0054 | organism=Plasmodium_falciparum_3D7 | product=histone h2b, putative | location=MAL7: 4 – 15

#363-363 NL: 4.25E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	11
2	P	155.08	138.05	137.07	1140.64	1123.61	1122.63	10
3	A	226.12	209.09	208.11	1043.58	1026.56	1025.57	9
4	Q	354.18	337.15	336.17	972.55	955.52	954.54	8
5	K*	524.28	507.26	506.27	844.49	827.46	826.48	7
6	S	611.31	594.29	593.30	674.38	657.36	656.37	6
7	Q	739.37	722.35	721.36	587.35	570.32	569.34	5
8	A	810.41	793.38	792.40	459.29	442.27	441.28	4
9	A	881.45	864.42	863.44	388.26	371.23	370.24	3
10	K*	1051.55	1034.53	1033.54	317.22	300.19	299.21	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	11

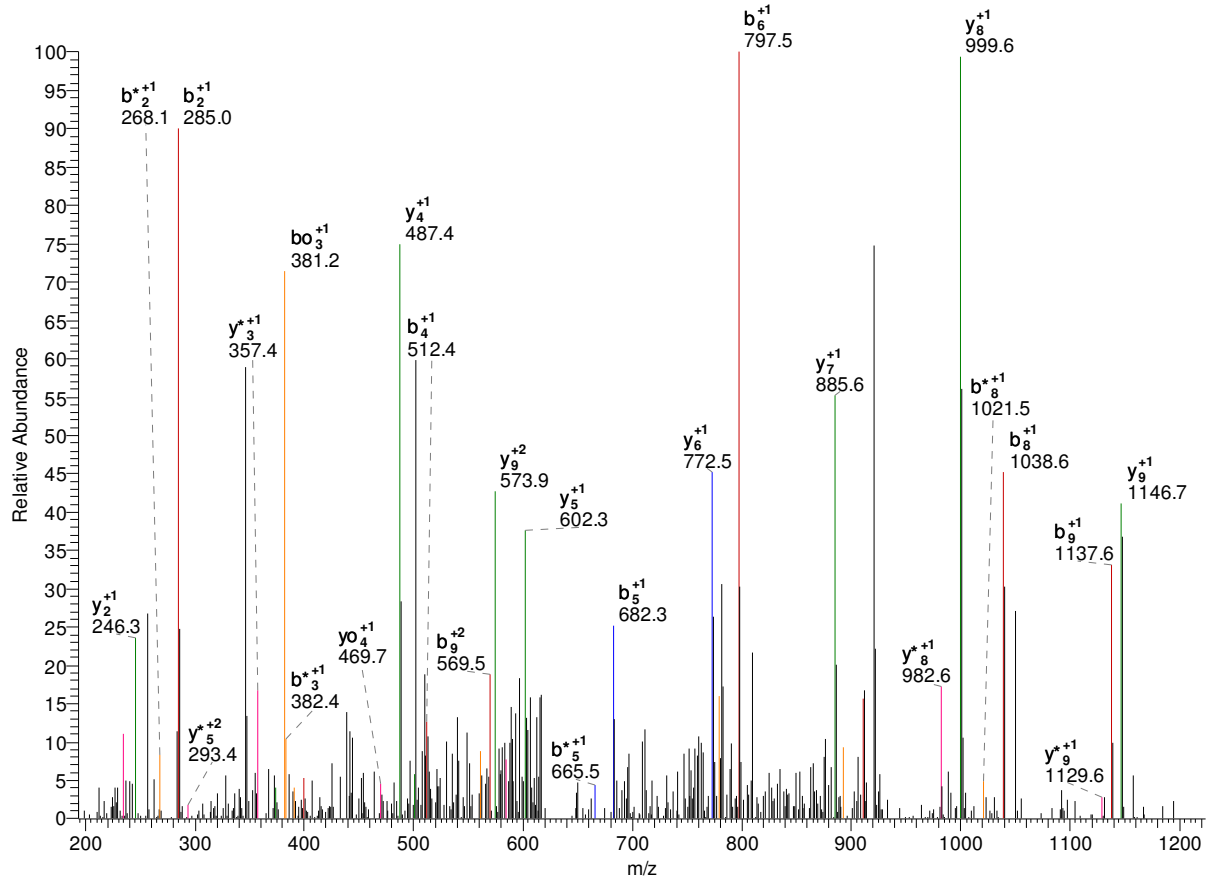
2	P	78.04	69.53	69.04	570.82	562.31	561.82	10
3	A	113.56	105.05	104.56	522.30	513.78	513.29	9
4	Q	177.59	169.08	168.59	486.78	478.26	477.77	8
5	K*	262.65	254.13	253.64	422.75	414.23	413.74	7
6	S	306.16	297.65	297.16	337.70	329.18	328.69	6
7	Q	370.19	361.68	361.19	294.18	285.67	285.17	5
8	A	405.71	397.20	396.70	230.15	221.64	221.14	4
9	A	441.23	432.71	432.22	194.63	186.12	185.63	3
10	K*	526.28	517.77	517.27	159.11	150.60	150.11	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1283.71 K.HFNLK*DIQVK.I

psu|PFF1230c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 157 – 167

#4684-4684 NL: 1.44E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	10
2	F	285.13	268.11	267.12	1146.65	1129.63	1128.64	9
3	N	399.18	382.15	381.17	999.58	982.56	981.57	8
4	L	512.26	495.24	494.25	885.54	868.51	867.53	7
5	K*	682.37	665.34	664.36	772.46	755.43	754.45	6
6	D	797.39	780.37	779.38	602.35	585.32	584.34	5
7	I	910.48	893.45	892.47	487.32	470.30	469.31	4
8	Q	1038.54	1021.51	1020.53	374.24	357.21	356.23	3
9	V	1137.61	1120.58	1119.59	246.18	229.15	228.17	2
10	K	-	-	-	147.11	130.09	129.10	1
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	10
2	F	143.07	134.56	134.07	573.83	565.32	564.82	9
3	N	200.09	191.58	191.09	500.30	491.78	491.29	8
4	L	256.63	248.12	247.63	443.27	434.76	434.27	7

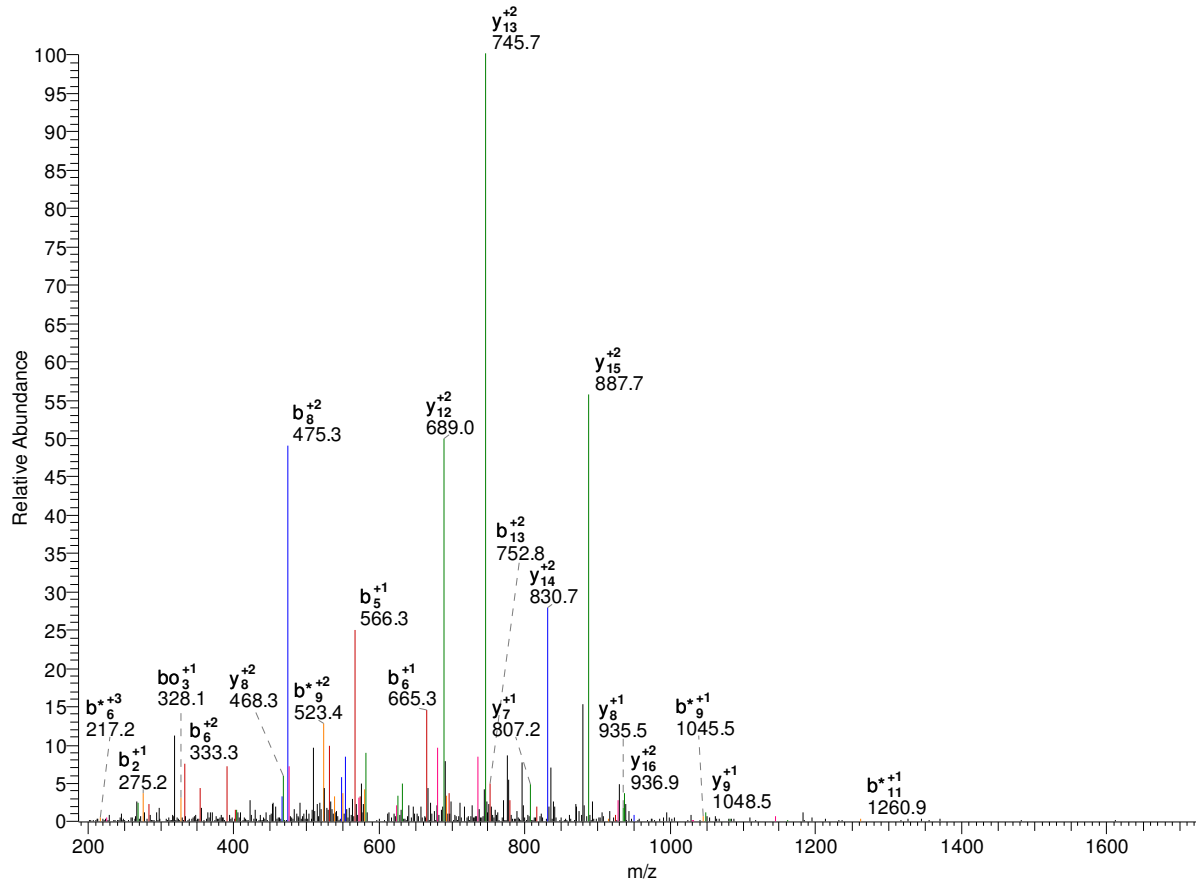
5	K*	341.69	333.17	332.68	386.73	378.22	377.73	6
6	D	399.20	390.69	390.20	301.68	293.17	292.67	5
7	I	455.74	447.23	446.74	244.17	235.65	235.16	4
8	Q	519.77	511.26	510.77	187.62	179.11	178.62	3
9	V	569.31	560.79	560.30	123.59	115.08	114.59	2
10	K	-	-	-	74.06	65.55	65.05	1

-

2438.28 K.HHAGYVNK*LNTLIKDTPFAEK.S

psu|PF08_0071 | organism=Plasmodium_falciparum_3D7 | product=Fe-superoxide dismutase
 | location=MAL 30 – 51

#6827-6827 NL: 1.12E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	21
2	H	275.13	258.10	257.11	2301.22	2284.20	2283.21	20
3	A	346.16	329.14	328.15	2164.16	2147.14	2146.15	19
4	G	403.18	386.16	385.17	2093.13	2076.10	2075.12	18
5	Y	566.25	549.22	548.24	2036.11	2019.08	2018.10	17
6	V	665.32	648.29	647.30	1873.04	1856.02	1855.03	16
7	N	779.36	762.33	761.35	1773.97	1756.95	1755.96	15
8	K*	949.46	932.44	931.45	1659.93	1642.91	1641.92	14
9	L	1062.55	1045.52	1044.54	1489.83	1472.80	1471.82	13
10	N	1176.59	1159.56	1158.58	1376.74	1359.72	1358.73	12
11	T	1277.64	1260.61	1259.63	1262.70	1245.67	1244.69	11
12	L	1390.72	1373.70	1372.71	1161.65	1144.62	1143.64	10
13	I	1503.81	1486.78	1485.80	1048.57	1031.54	1030.56	9
14	K	1631.90	1614.88	1613.89	935.48	918.46	917.47	8
15	D	1746.93	1729.90	1728.92	807.39	790.36	789.38	7
16	T	1847.98	1830.95	1829.97	692.36	675.33	674.35	6
17	P	1945.03	1928.00	1927.02	591.31	574.29	573.30	5
18	F	2092.10	2075.07	2074.09	494.26	477.23	476.25	4

19	A	2163.13	2146.11	2145.12	347.19	330.17	329.18	3
20	E	2292.18	2275.15	2274.17	276.16	259.13	258.14	2
21	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	21
2	H	138.07	129.55	129.06	1151.12	1142.60	1142.11	20
3	A	173.58	165.07	164.58	1082.59	1074.07	1073.58	19
4	G	202.10	193.58	193.09	1047.07	1038.55	1038.06	18
5	Y	283.63	275.11	274.62	1018.56	1010.04	1009.55	17
6	V	333.16	324.65	324.16	937.03	928.51	928.02	16
7	N	390.18	381.67	381.18	887.49	878.98	878.49	15
8	K*	475.24	466.72	466.23	830.47	821.96	821.46	14
9	L	531.78	523.26	522.77	745.42	736.90	736.41	13
10	N	588.80	580.29	579.79	688.87	680.36	679.87	12
11	T	639.32	630.81	630.32	631.85	623.34	622.85	11
12	L	695.86	687.35	686.86	581.33	572.82	572.32	10
13	I	752.41	743.89	743.40	524.79	516.27	515.78	9
14	K	816.45	807.94	807.45	468.25	459.73	459.24	8
15	D	873.97	865.45	864.96	404.20	395.68	395.19	7
16	T	924.49	915.98	915.49	346.68	338.17	337.68	6
17	P	973.02	964.50	964.01	296.16	287.65	287.16	5
18	F	1046.55	1038.04	1037.55	247.63	239.12	238.63	4
19	A	1082.07	1073.56	1073.07	174.10	165.59	165.09	3
20	E	1146.59	1138.08	1137.59	138.58	130.07	129.58	2
21	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	H	46.69	41.02	40.69	-	-	-	21
2	H	92.38	86.70	86.38	767.75	762.07	761.74	20
3	A	116.06	110.38	110.06	722.06	716.38	716.06	19
4	G	135.07	129.39	129.06	698.38	692.71	692.38	18
5	Y	189.42	183.75	183.42	679.37	673.70	673.37	17
6	V	222.44	216.77	216.44	625.02	619.34	619.02	16
7	N	260.46	254.78	254.45	592.00	586.32	585.99	15
8	K*	317.16	311.48	311.16	553.98	548.31	547.98	14
9	L	354.85	349.18	348.85	497.28	491.60	491.28	13
10	N	392.87	387.19	386.86	459.59	453.91	453.58	12
11	T	426.55	420.88	420.55	421.57	415.90	415.57	11
12	L	464.25	458.57	458.24	387.89	382.21	381.89	10
13	I	501.94	496.26	495.94	350.19	344.52	344.19	9
14	K	544.64	538.96	538.64	312.50	306.82	306.50	8
15	D	582.98	577.31	576.98	269.80	264.13	263.80	7
16	T	616.66	610.99	610.66	231.46	225.78	225.46	6
17	P	649.01	643.34	643.01	197.78	192.10	191.77	5
18	F	698.04	692.36	692.03	165.43	159.75	159.42	4
19	A	721.72	716.04	715.71	116.40	110.73	110.40	3
20	E	764.73	759.06	758.73	92.72	87.05	86.72	2
21	K	-	-	-	49.71	44.03	43.71	1

-

+4 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

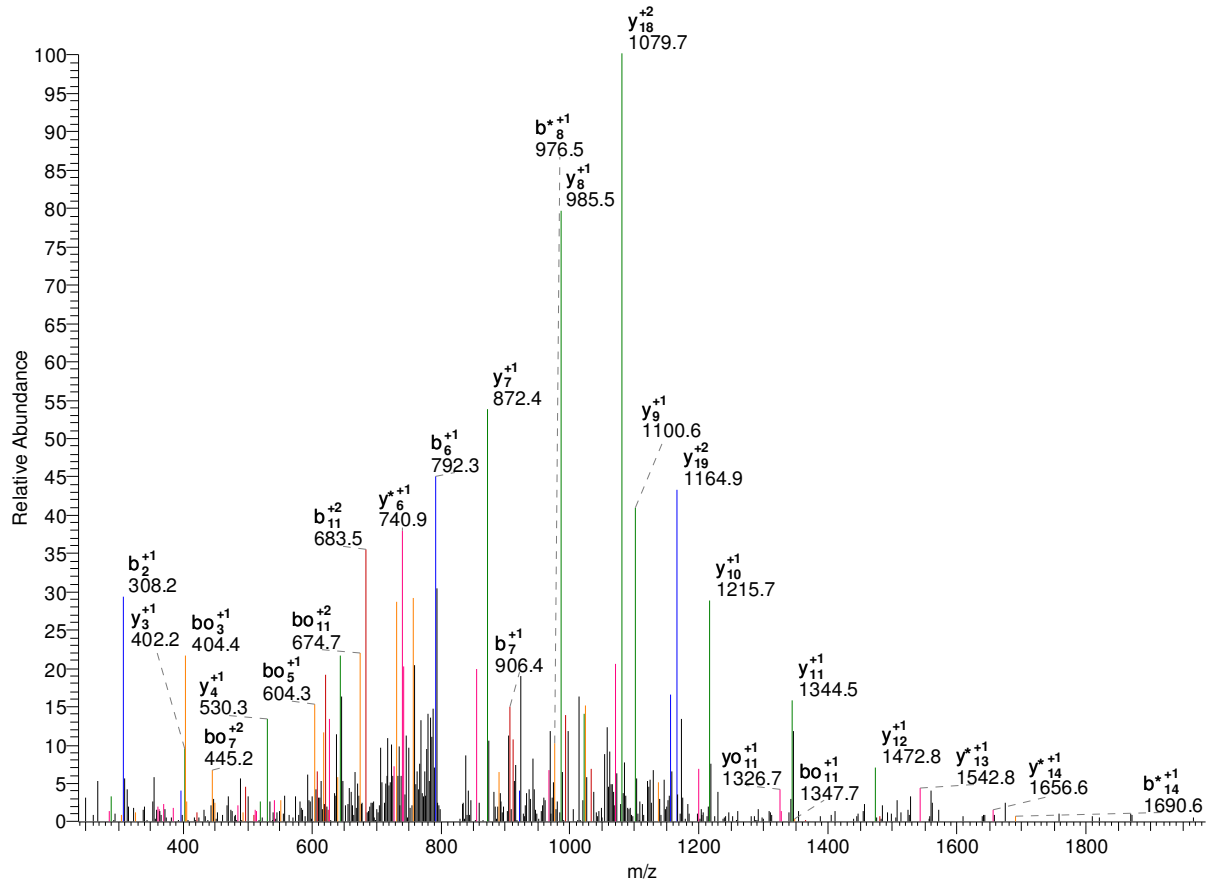
1	H	35.27	31.02	30.77	-	-	-	21
2	H	69.54	65.28	65.03	576.06	571.80	571.56	20
3	A	87.30	83.04	82.79	541.80	537.54	537.29	19
4	G	101.55	97.29	97.05	524.04	519.78	519.53	18
5	Y	142.32	138.06	137.81	509.78	505.53	505.28	17
6	V	167.08	162.83	162.58	469.02	464.76	464.51	16
7	N	195.60	191.34	191.09	444.25	439.99	439.75	15
8	K*	238.12	233.86	233.62	415.74	411.48	411.24	14
9	L	266.39	262.14	261.89	373.21	368.96	368.71	13
10	N	294.90	290.65	290.40	344.94	340.68	340.44	12
11	T	320.17	315.91	315.66	316.43	312.17	311.93	11
12	L	348.44	344.18	343.93	291.17	286.91	286.67	10
13	I	376.71	372.45	372.20	262.90	258.64	258.39	9
14	K	408.73	404.47	404.23	234.63	230.37	230.12	8
15	D	437.49	433.23	432.98	202.60	198.35	198.10	7
16	T	462.75	458.49	458.25	173.85	169.59	169.34	6
17	P	487.01	482.76	482.51	148.58	144.33	144.08	5
18	F	523.78	519.52	519.28	124.32	120.06	119.82	4
19	A	541.54	537.28	537.04	87.55	83.30	83.05	3
20	E	573.80	569.54	569.30	69.79	65.54	65.29	2
21	K	-	-	-	37.53	33.28	33.03	1

-

2465.21 K.HK*NSLK*NSKEDDLNNQNLRS

psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 1787 – 1807

#1088-1088 NL: 1.75E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	20
2	K*	308.17	291.15	290.16	2328.15	2311.13	2310.14	19
3	N	422.21	405.19	404.20	2158.05	2141.02	2140.04	18
4	S	509.25	492.22	491.24	2044.01	2026.98	2025.99	17
5	L	622.33	605.30	604.32	1956.97	1939.95	1938.96	16
6	K*	792.44	775.41	774.43	1843.89	1826.86	1825.88	15
7	N	906.48	889.45	888.47	1673.78	1656.76	1655.77	14
8	S	993.51	976.48	975.50	1559.74	1542.71	1541.73	13
9	K	1121.61	1104.58	1103.60	1472.71	1455.68	1454.70	12
10	E	1250.65	1233.62	1232.64	1344.61	1327.59	1326.60	11
11	D	1365.68	1348.65	1347.67	1215.57	1198.54	1197.56	10
12	D	1480.70	1463.68	1462.69	1100.54	1083.52	1082.53	9
13	L	1593.79	1576.76	1575.78	985.52	968.49	967.51	8
14	N	1707.83	1690.80	1689.82	872.43	855.41	854.42	7
15	N	1821.87	1804.85	1803.86	758.39	741.36	740.38	6
16	N	1935.92	1918.89	1917.90	644.35	627.32	626.34	5
17	Q	2063.97	2046.95	2045.96	530.30	513.28	512.29	4
18	N	2178.02	2160.99	2160.01	402.25	385.22	384.24	3

19	L	2291.10	2274.07	2273.09	288.20	271.18	270.19	2
20	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	20
2	K*	154.59	146.08	145.58	1164.58	1156.07	1155.58	19
3	N	211.61	203.10	202.61	1079.53	1071.01	1070.52	18
4	S	255.13	246.61	246.12	1022.51	1013.99	1013.50	17
5	L	311.67	303.16	302.66	978.99	970.48	969.99	16
6	K*	396.72	388.21	387.72	922.45	913.94	913.44	15
7	N	453.74	445.23	444.74	837.40	828.88	828.39	14
8	S	497.26	488.75	488.25	780.37	771.86	771.37	13
9	K	561.31	552.79	552.30	736.86	728.34	727.85	12
10	E	625.83	617.31	616.82	672.81	664.30	663.81	11
11	D	683.34	674.83	674.34	608.29	599.78	599.28	10
12	D	740.85	732.34	731.85	550.78	542.26	541.77	9
13	L	797.40	788.88	788.39	493.26	484.75	484.26	8
14	N	854.42	845.91	845.41	436.72	428.21	427.72	7
15	N	911.44	902.93	902.43	379.70	371.19	370.69	6
16	N	968.46	959.95	959.46	322.68	314.16	313.67	5
17	Q	1032.49	1023.98	1023.49	265.66	257.14	256.65	4
18	N	1089.51	1081.00	1080.51	201.63	193.11	192.62	3
19	L	1146.05	1137.54	1137.05	144.61	136.09	135.60	2
20	R	-	-	-	88.06	79.55	79.06	1

-

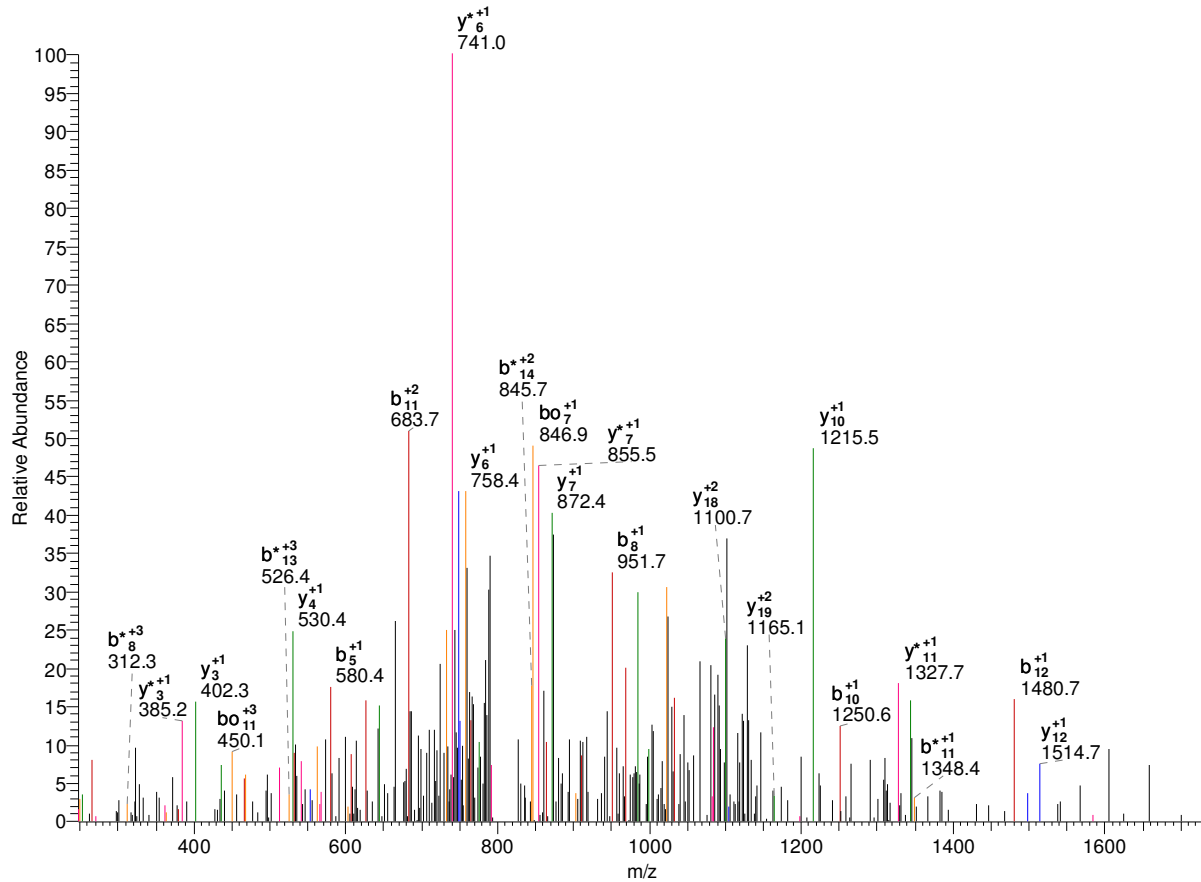
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	H	46.69	41.02	40.69	-	-	-	20
2	K*	103.40	97.72	97.39	776.72	771.05	770.72	19
3	N	141.41	135.73	135.41	720.02	714.35	714.02	18
4	S	170.42	164.74	164.42	682.01	676.33	676.00	17
5	L	208.12	202.44	202.11	653.00	647.32	646.99	16
6	K*	264.82	259.14	258.81	615.30	609.63	609.30	15
7	N	302.83	297.16	296.83	558.60	552.92	552.60	14
8	S	331.84	326.17	325.84	520.59	514.91	514.58	13
9	K	374.54	368.86	368.54	491.57	485.90	485.57	12
10	E	417.55	411.88	411.55	448.88	443.20	442.87	11
11	D	455.90	450.22	449.89	405.86	400.19	399.86	10
12	D	494.24	488.56	488.24	367.52	361.84	361.52	9
13	L	531.93	526.26	525.93	329.18	323.50	323.17	8
14	N	569.95	564.27	563.94	291.48	285.81	285.48	7
15	N	607.96	602.29	601.96	253.47	247.79	247.46	6
16	N	645.98	640.30	639.97	215.45	209.78	209.45	5
17	Q	688.66	682.99	682.66	177.44	171.76	171.44	4
18	N	726.68	721.00	720.67	134.75	129.08	128.75	3
19	L	764.37	758.70	758.37	96.74	91.06	90.74	2
20	R	-	-	-	59.04	53.37	53.04	1

-

2465.21 K.HKNSLK*NSK*EDDLNNQNLRS

psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 1787 – 1807

#2062-2062 NL: 5.73E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	20
2	K	266.16	249.13	248.15	2328.15	2311.13	2310.14	19
3	N	380.20	363.18	362.19	2200.06	2183.03	2182.05	18
4	S	467.24	450.21	449.23	2086.02	2068.99	2068.01	17
5	L	580.32	563.29	562.31	1998.98	1981.96	1980.97	16
6	K*	750.43	733.40	732.42	1885.90	1868.87	1867.89	15
7	N	864.47	847.44	846.46	1715.79	1698.77	1697.78	14
8	S	951.50	934.47	933.49	1601.75	1584.72	1583.74	13
9	K*	1121.61	1104.58	1103.60	1514.72	1497.69	1496.71	12
10	E	1250.65	1233.62	1232.64	1344.61	1327.59	1326.60	11
11	D	1365.68	1348.65	1347.67	1215.57	1198.54	1197.56	10
12	D	1480.70	1463.68	1462.69	1100.54	1083.52	1082.53	9
13	L	1593.79	1576.76	1575.78	985.52	968.49	967.51	8
14	N	1707.83	1690.80	1689.82	872.43	855.41	854.42	7
15	N	1821.87	1804.85	1803.86	758.39	741.36	740.38	6
16	N	1935.92	1918.89	1917.90	644.35	627.32	626.34	5
17	Q	2063.97	2046.95	2045.96	530.30	513.28	512.29	4
18	N	2178.02	2160.99	2160.01	402.25	385.22	384.24	3

19	L	2291.10	2274.07	2273.09	288.20	271.18	270.19	2
20	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	20
2	K	133.58	125.07	124.58	1164.58	1156.07	1155.58	19
3	N	190.61	182.09	181.60	1100.53	1092.02	1091.53	18
4	S	234.12	225.61	225.12	1043.51	1035.00	1034.51	17
5	L	290.66	282.15	281.66	1000.00	991.48	990.99	16
6	K*	375.72	367.20	366.71	943.45	934.94	934.45	15
7	N	432.74	424.22	423.73	858.40	849.89	849.40	14
8	S	476.25	467.74	467.25	801.38	792.87	792.37	13
9	K*	561.31	552.79	552.30	757.86	749.35	748.86	12
10	E	625.83	617.31	616.82	672.81	664.30	663.81	11
11	D	683.34	674.83	674.34	608.29	599.78	599.28	10
12	D	740.85	732.34	731.85	550.78	542.26	541.77	9
13	L	797.40	788.88	788.39	493.26	484.75	484.26	8
14	N	854.42	845.91	845.41	436.72	428.21	427.72	7
15	N	911.44	902.93	902.43	379.70	371.19	370.69	6
16	N	968.46	959.95	959.46	322.68	314.16	313.67	5
17	Q	1032.49	1023.98	1023.49	265.66	257.14	256.65	4
18	N	1089.51	1081.00	1080.51	201.63	193.11	192.62	3
19	L	1146.05	1137.54	1137.05	144.61	136.09	135.60	2
20	R	-	-	-	88.06	79.55	79.06	1

-

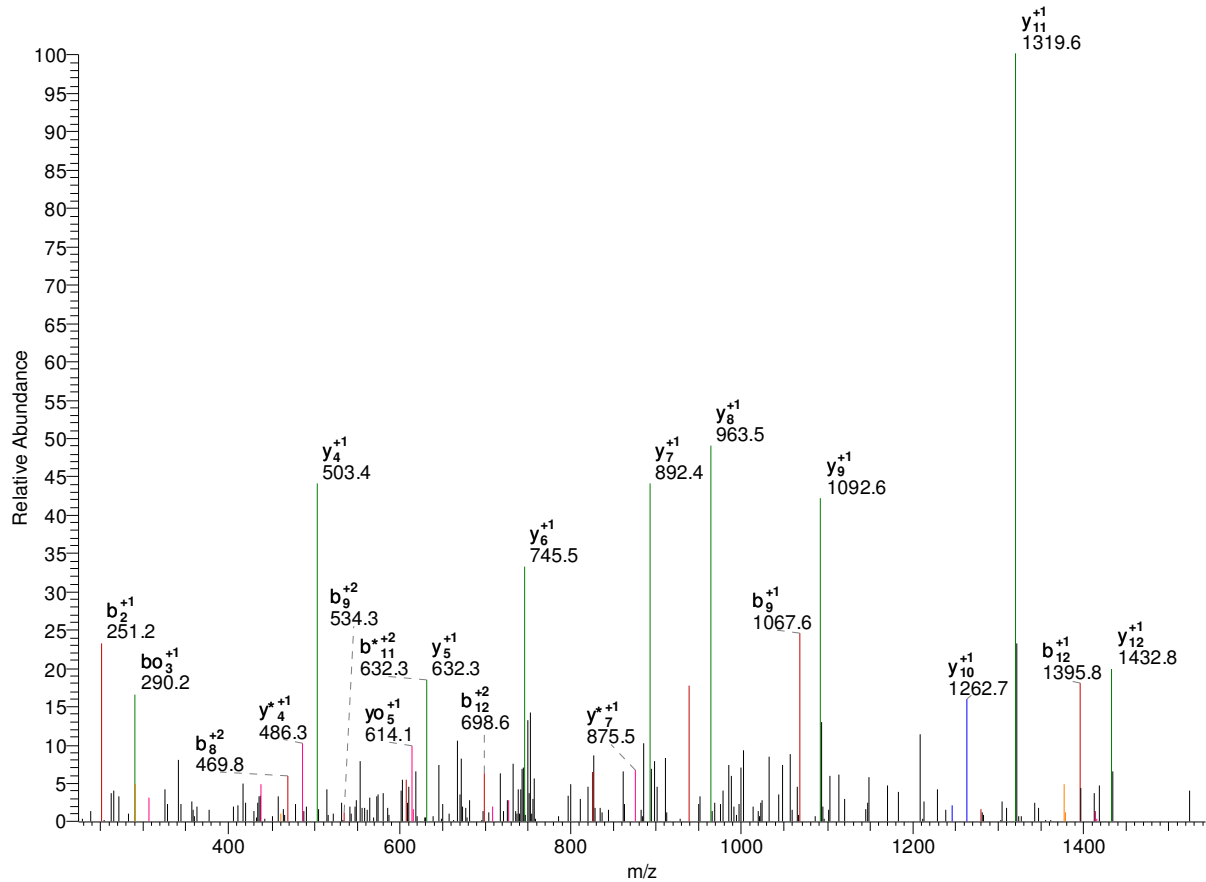
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	H	46.69	41.02	40.69	-	-	-	20
2	K	89.39	83.72	83.39	776.72	771.05	770.72	19
3	N	127.41	121.73	121.40	734.02	728.35	728.02	18
4	S	156.42	150.74	150.41	696.01	690.33	690.01	17
5	L	194.11	188.44	188.11	667.00	661.32	661.00	16
6	K*	250.81	245.14	244.81	629.30	623.63	623.30	15
7	N	288.83	283.15	282.82	572.60	566.93	566.60	14
8	S	317.84	312.16	311.83	534.59	528.91	528.59	13
9	K*	374.54	368.86	368.54	505.58	499.90	499.57	12
10	E	417.55	411.88	411.55	448.88	443.20	442.87	11
11	D	455.90	450.22	449.89	405.86	400.19	399.86	10
12	D	494.24	488.56	488.24	367.52	361.84	361.52	9
13	L	531.93	526.26	525.93	329.18	323.50	323.17	8
14	N	569.95	564.27	563.94	291.48	285.81	285.48	7
15	N	607.96	602.29	601.96	253.47	247.79	247.46	6
16	N	645.98	640.30	639.97	215.45	209.78	209.45	5
17	Q	688.66	682.99	682.66	177.44	171.76	171.44	4
18	N	726.68	721.00	720.67	134.75	129.08	128.75	3
19	L	764.37	758.70	758.37	96.74	91.06	90.74	2
20	R	-	-	-	59.04	53.37	53.04	1

-

1569.80 K.HLGK*EAFLENVDR.R

psu|PF14_0487 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 636 – 649

#4640-4640 NL: 8.22E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	13
2	L	251.15	234.12	233.14	1432.74	1415.72	1414.73	12
3	G	308.17	291.15	290.16	1319.66	1302.63	1301.65	11
4	K*	478.28	461.25	460.27	1262.64	1245.61	1244.63	10
5	E	607.32	590.29	589.31	1092.53	1075.51	1074.52	9
6	A	678.36	661.33	660.35	963.49	946.46	945.48	8
7	F	825.43	808.40	807.41	892.45	875.43	874.44	7
8	L	938.51	921.48	920.50	745.38	728.36	727.37	6
9	E	1067.55	1050.53	1049.54	632.30	615.27	614.29	5
10	N	1181.59	1164.57	1163.58	503.26	486.23	485.25	4
11	V	1280.66	1263.64	1262.65	389.21	372.19	371.20	3
12	D	1395.69	1378.66	1377.68	290.15	273.12	272.14	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	13
2	L	126.08	117.57	117.07	716.88	708.36	707.87	12
3	G	154.59	146.08	145.58	660.33	651.82	651.33	11
4	K*	239.64	231.13	230.64	631.82	623.31	622.82	10
5	E	304.16	295.65	295.16	546.77	538.26	537.76	9
6	A	339.68	331.17	330.68	482.25	473.74	473.24	8
7	F	413.22	404.70	404.21	446.73	438.22	437.72	7
8	L	469.76	461.25	460.75	373.20	364.68	364.19	6
9	E	534.28	525.77	525.27	316.65	308.14	307.65	5
10	N	591.30	582.79	582.30	252.13	243.62	243.13	4
11	V	640.84	632.32	631.83	195.11	186.60	186.11	3
12	D	698.35	689.84	689.34	145.58	137.06	136.57	2
13	R	-	-	-	88.06	79.55	79.06	1

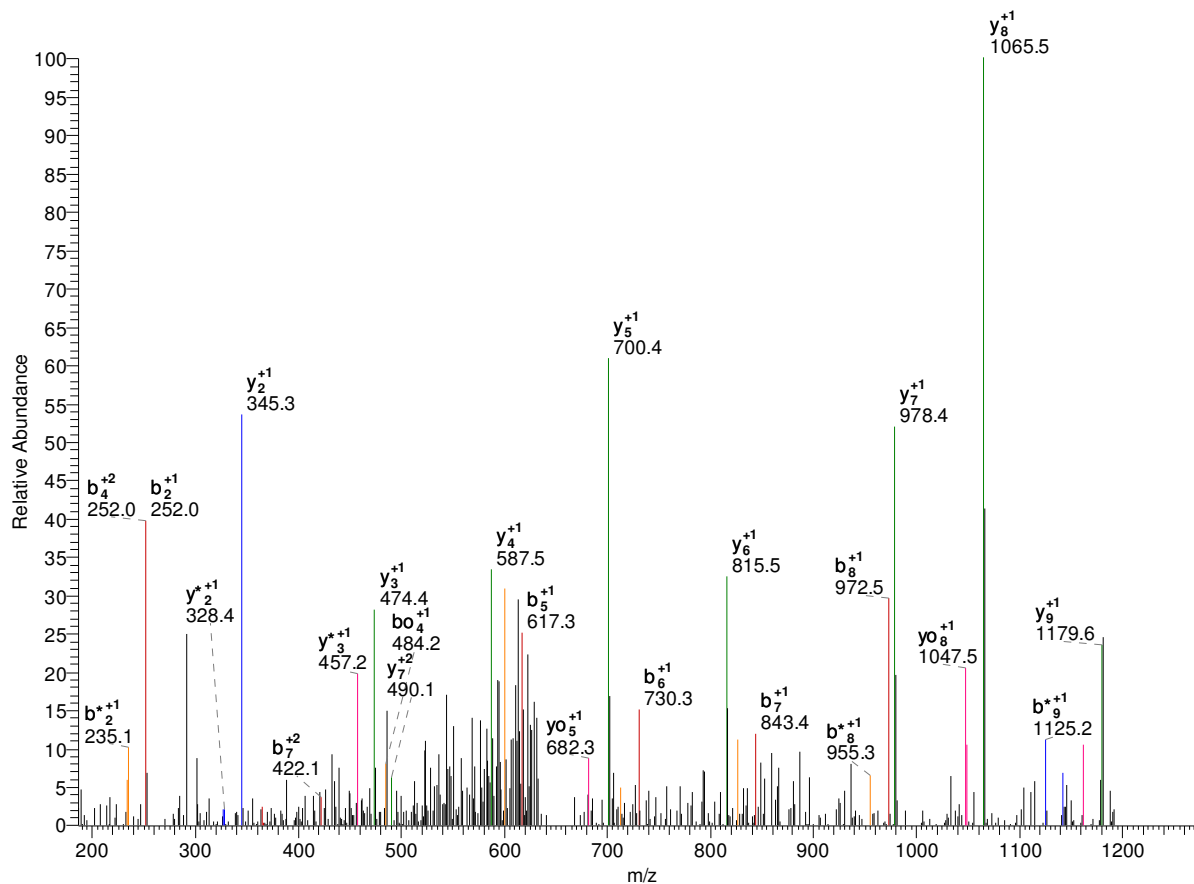
-

1316.66

K.HNSYDIIEK*R.Y

psu|PF13_0322 | organism=Plasmodium_falciparum_3D7 | product=falcilysin |
location=MAL13:2431676-24 67 – 77

#2481-2481 NL: 1.25E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	10
2	N	252.11	235.08	234.10	1179.60	1162.57	1161.59	9
3	S	339.14	322.11	321.13	1065.56	1048.53	1047.55	8
4	Y	502.20	485.18	484.19	978.53	961.50	960.51	7
5	D	617.23	600.20	599.22	815.46	798.44	797.45	6
6	I	730.32	713.29	712.30	700.44	683.41	682.42	5
7	I	843.40	826.37	825.39	587.35	570.32	569.34	4
8	E	972.44	955.42	954.43	474.27	457.24	456.26	3
9	K*	1142.55	1125.52	1124.54	345.22	328.20	327.21	2
10	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	10
2	N	126.56	118.04	117.55	590.30	581.79	581.30	9

3	S	170.07	161.56	161.07	533.28	524.77	524.28	8
4	Y	251.61	243.09	242.60	489.77	481.25	480.76	7
5	D	309.12	300.61	300.11	408.23	399.72	399.23	6
6	I	365.66	357.15	356.66	350.72	342.21	341.72	5
7	I	422.20	413.69	413.20	294.18	285.67	285.17	4
8	E	486.72	478.21	477.72	237.64	229.12	228.63	3
9	K*	571.78	563.26	562.77	173.12	164.60	164.11	2
10	R	-	-	-	88.06	79.55	79.06	1

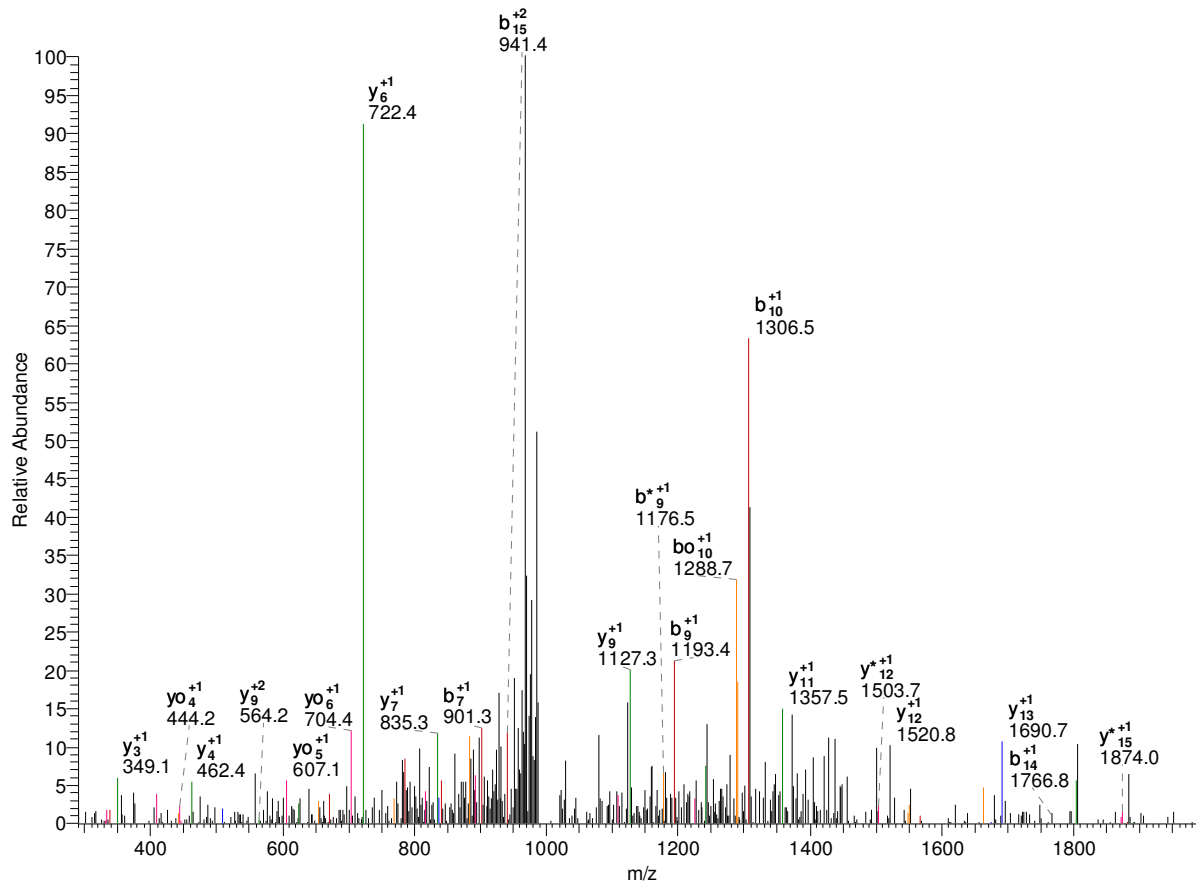
-

2027.96

K.HSIK*YDDEYIPYISDK.V

psu|PF10_0171 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 626 – 642

#5645-5645 NL: 1.86E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	16
2	S	225.10	208.07	207.09	1890.90	1873.87	1872.89	15
3	I	338.18	321.16	320.17	1803.87	1786.84	1785.86	14
4	K*	508.29	491.26	490.28	1690.78	1673.76	1672.77	13
5	Y	671.35	654.32	653.34	1520.68	1503.65	1502.67	12
6	D	786.38	769.35	768.37	1357.62	1340.59	1339.61	11
7	D	901.41	884.38	883.39	1242.59	1225.56	1224.58	10
8	E	1030.45	1013.42	1012.44	1127.56	1110.54	1109.55	9
9	Y	1193.51	1176.48	1175.50	998.52	981.49	980.51	8
10	I	1306.60	1289.57	1288.58	835.46	818.43	817.45	7
11	P	1403.65	1386.62	1385.64	722.37	705.35	704.36	6
12	Y	1566.71	1549.68	1548.70	625.32	608.29	607.31	5
13	I	1679.80	1662.77	1661.78	462.26	445.23	444.25	4
14	S	1766.83	1749.80	1748.82	349.17	332.15	331.16	3
15	D	1881.85	1864.83	1863.84	262.14	245.11	244.13	2
16	K	-	-	-	147.11	130.09	129.10	1

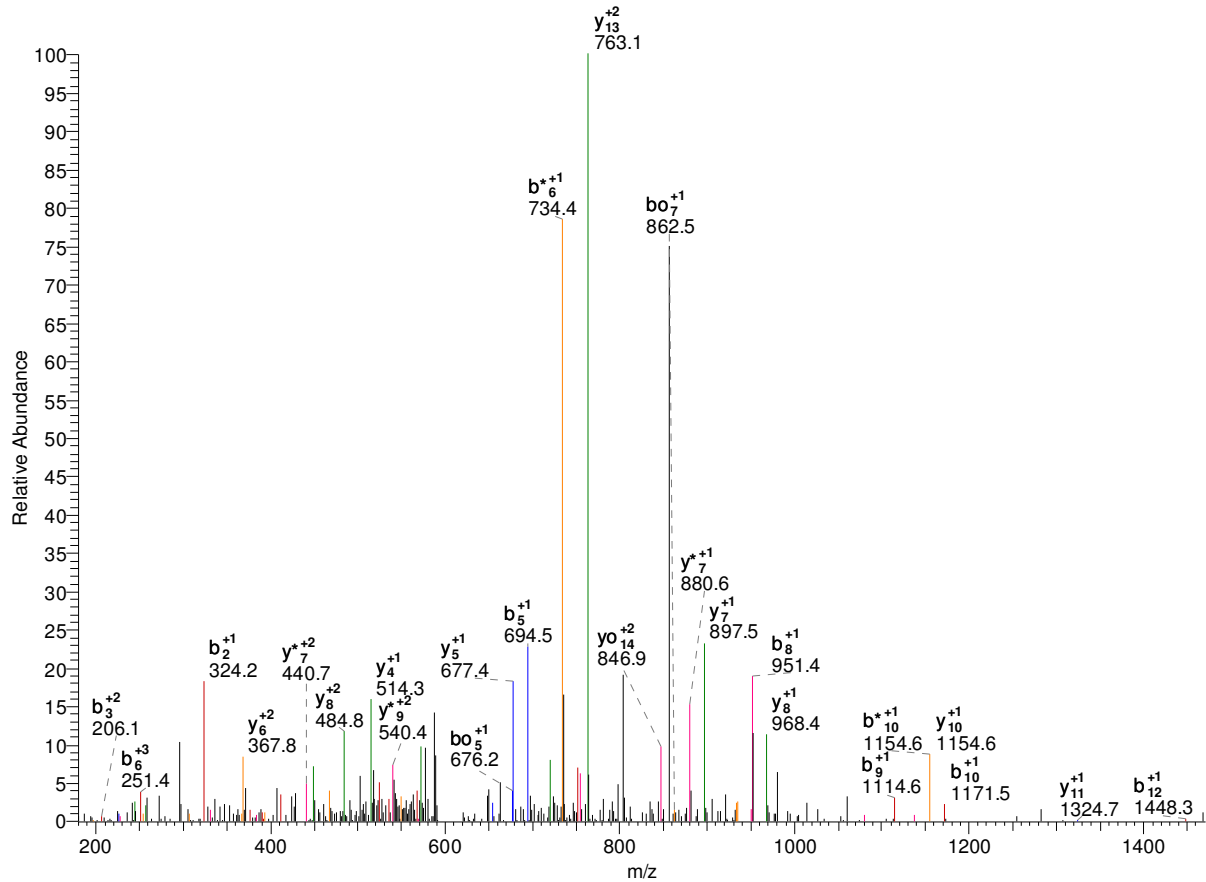
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	16
2	S	113.05	104.54	104.05	945.95	937.44	936.95	15
3	I	169.59	161.08	160.59	902.44	893.92	893.43	14
4	K*	254.65	246.13	245.64	845.90	837.38	836.89	13
5	Y	336.18	327.67	327.17	760.84	752.33	751.84	12
6	D	393.69	385.18	384.69	679.31	670.80	670.31	11
7	D	451.21	442.69	442.20	621.80	613.28	612.79	10
8	E	515.73	507.21	506.72	564.28	555.77	555.28	9
9	Y	597.26	588.75	588.25	499.76	491.25	490.76	8
10	I	653.80	645.29	644.80	418.23	409.72	409.23	7
11	P	702.33	693.81	693.32	361.69	353.18	352.68	6
12	Y	783.86	775.35	774.85	313.16	304.65	304.16	5
13	I	840.40	831.89	831.40	231.63	223.12	222.63	4
14	S	883.92	875.40	874.91	175.09	166.58	166.08	3
15	D	941.43	932.92	932.43	131.57	123.06	122.57	2
16	K	-	-	-	74.06	65.55	65.05	1

-

1847.92 K.HWSLK*GEAYGYNRPK.N

psu|PF10_0266 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 443 – 458

#3154-3154 NL: 2.57E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	15
2	W	324.15	307.12	306.13	1710.86	1693.83	1692.85	14
3	S	411.18	394.15	393.17	1524.78	1507.75	1506.77	13
4	L	524.26	507.24	506.25	1437.75	1420.72	1419.74	12
5	K*	694.37	677.34	676.36	1324.66	1307.64	1306.65	11
6	G	751.39	734.36	733.38	1154.56	1137.53	1136.55	10
7	E	880.43	863.40	862.42	1097.54	1080.51	1079.53	9
8	A	951.47	934.44	933.46	968.49	951.47	950.48	8
9	Y	1114.53	1097.51	1096.52	897.46	880.43	879.45	7
10	G	1171.55	1154.53	1153.54	734.39	717.37	716.38	6
11	Y	1334.62	1317.59	1316.61	677.37	660.35	659.36	5
12	N	1448.66	1431.63	1430.65	514.31	497.28	496.30	4
13	R	1604.76	1587.73	1586.75	400.27	383.24	382.26	3
14	P	1701.81	1684.79	1683.80	244.17	227.14	226.16	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	15
2	W	162.58	154.06	153.57	855.93	847.42	846.93	14
3	S	206.09	197.58	197.09	762.89	754.38	753.89	13
4	L	262.63	254.12	253.63	719.38	710.86	710.37	12
5	K*	347.69	339.17	338.68	662.84	654.32	653.83	11
6	G	376.20	367.68	367.19	577.78	569.27	568.78	10
7	E	440.72	432.21	431.71	549.27	540.76	540.27	9
8	A	476.24	467.72	467.23	484.75	476.24	475.75	8
9	Y	557.77	549.26	548.76	449.23	440.72	440.23	7
10	G	586.28	577.77	577.27	367.70	359.19	358.70	6
11	Y	667.81	659.30	658.81	339.19	330.68	330.18	5
12	N	724.83	716.32	715.83	257.66	249.15	248.65	4
13	R	802.88	794.37	793.88	200.64	192.12	191.63	3
14	P	851.41	842.90	842.40	122.59	114.07	113.58	2
15	K	-	-	-	74.06	65.55	65.05	1

-

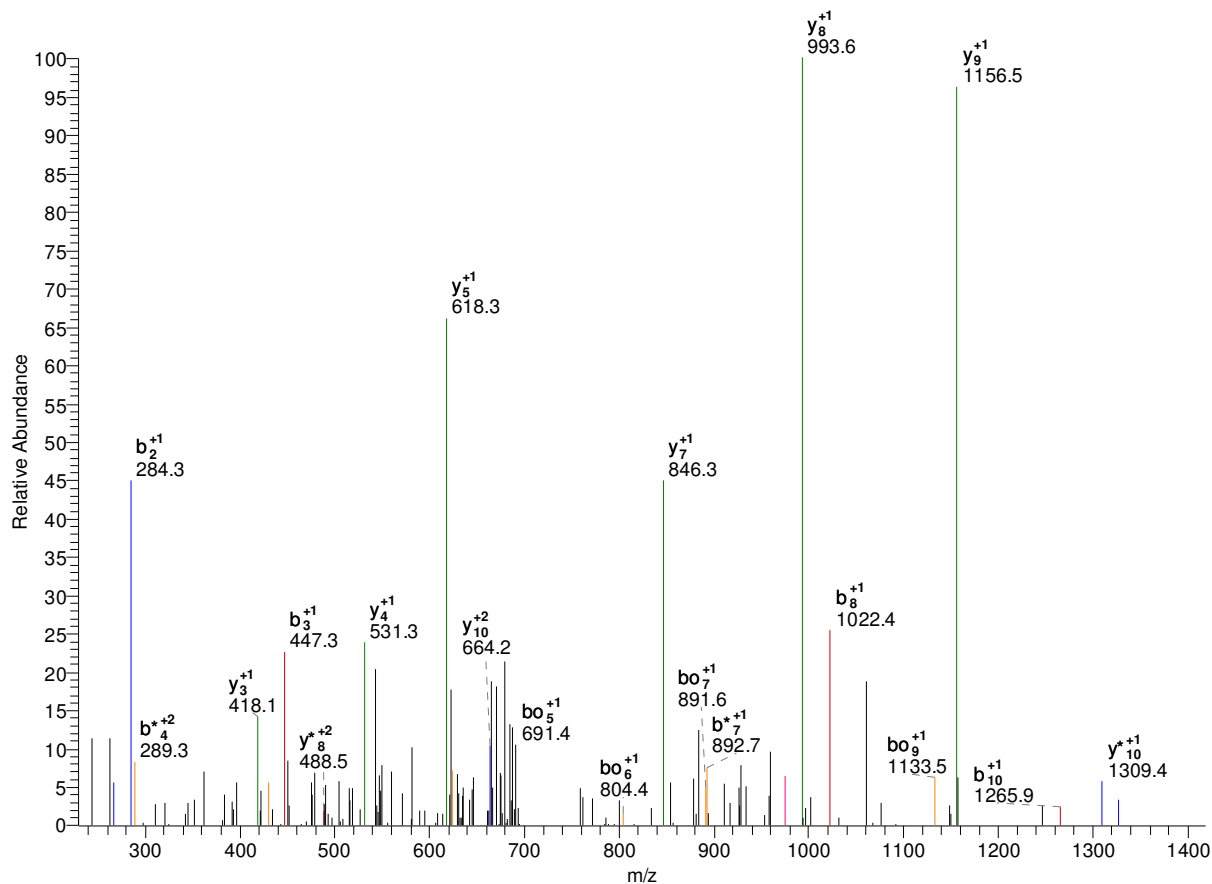
		B	B*	B0	Y	Y*	Y0	
1	H	46.69	41.02	40.69	-	-	-	15
2	W	108.72	103.04	102.72	570.96	565.28	564.95	14
3	S	137.73	132.06	131.73	508.93	503.26	502.93	13
4	L	175.43	169.75	169.42	479.92	474.25	473.92	12
5	K*	232.13	226.45	226.12	442.23	436.55	436.22	11
6	G	251.13	245.46	245.13	385.52	379.85	379.52	10
7	E	294.15	288.47	288.15	366.52	360.84	360.51	9
8	A	317.83	312.15	311.82	323.50	317.83	317.50	8
9	Y	372.18	366.51	366.18	299.82	294.15	293.82	7
10	G	391.19	385.51	385.19	245.47	239.79	239.47	6
11	Y	445.54	439.87	439.54	226.46	220.79	220.46	5
12	N	483.56	477.88	477.55	172.11	166.43	166.10	4
13	R	535.59	529.92	529.59	134.09	128.42	128.09	3
14	P	567.94	562.27	561.94	82.06	76.38	76.06	2
15	K	-	-	-	49.71	44.03	43.71	1

-

1439.75 K.IK*YFDLSIENR.D

psu|PF13_0242 | organism=Plasmodium_falciparum_3D7 | product=isocitrate dehydrogenase (NADP), mitoc 67 – 78

#4802-4802 NL: 5.06E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	11
2	K*	284.20	267.17	266.19	1326.67	1309.64	1308.66	10
3	Y	447.26	430.23	429.25	1156.56	1139.54	1138.55	9
4	F	594.33	577.30	576.32	993.50	976.47	975.49	8
5	D	709.36	692.33	691.34	846.43	829.41	828.42	7
6	L	822.44	805.41	804.43	731.40	714.38	713.39	6
7	S	909.47	892.45	891.46	618.32	601.29	600.31	5
8	I	1022.56	1005.53	1004.55	531.29	514.26	513.28	4
9	E	1151.60	1134.57	1133.59	418.20	401.18	400.19	3
10	N	1265.64	1248.61	1247.63	289.16	272.14	271.15	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	11

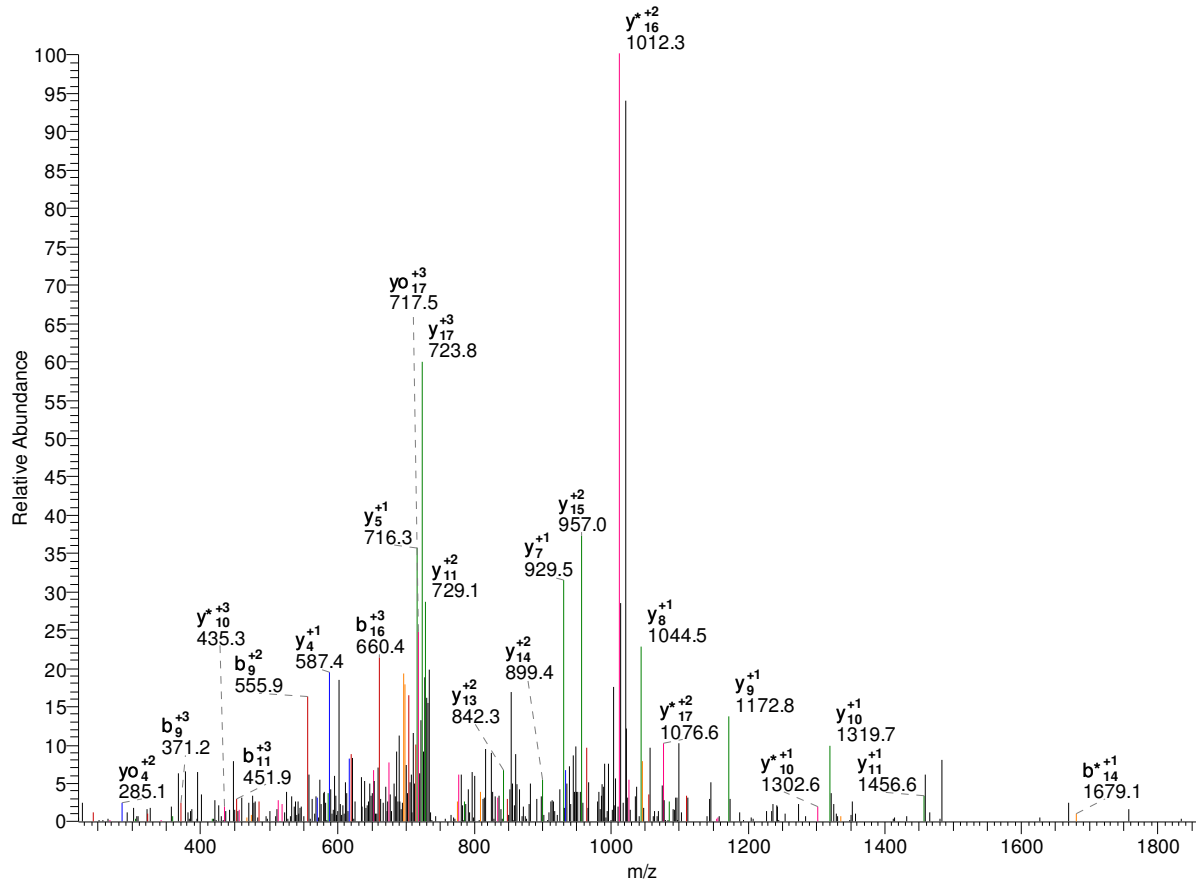
2	K*	142.60	134.09	133.60	663.84	655.32	654.83	10
3	Y	224.13	215.62	215.13	578.79	570.27	569.78	9
4	F	297.67	289.15	288.66	497.25	488.74	488.25	8
5	D	355.18	346.67	346.18	423.72	415.21	414.71	7
6	L	411.72	403.21	402.72	366.21	357.69	357.20	6
7	S	455.24	446.73	446.23	309.66	301.15	300.66	5
8	I	511.78	503.27	502.78	266.15	257.63	257.14	4
9	E	576.30	567.79	567.30	209.61	201.09	200.60	3
10	N	633.32	624.81	624.32	145.08	136.57	136.08	2
11	R	-	-	-	88.06	79.55	79.06	1

-

2282.19 K.IKENNLHFKDNVEK*IER.K

psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL14: 3692 – 3710

#2686-2686 NL: 1.56E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	18
2	K	242.19	225.16	224.18	2169.10	2152.08	2151.09	17
3	E	371.23	354.20	353.22	2041.01	2023.98	2023.00	16
4	N	485.27	468.25	467.26	1911.97	1894.94	1893.96	15
5	N	599.31	582.29	581.30	1797.92	1780.90	1779.91	14
6	N	713.36	696.33	695.35	1683.88	1666.85	1665.87	13
7	L	826.44	809.42	808.43	1569.84	1552.81	1551.83	12
8	H	963.50	946.47	945.49	1456.75	1439.73	1438.74	11
9	F	1110.57	1093.54	1092.56	1319.70	1302.67	1301.68	10
10	K	1238.66	1221.64	1220.65	1172.63	1155.60	1154.62	9
11	D	1353.69	1336.66	1335.68	1044.53	1027.51	1026.52	8
12	N	1467.73	1450.71	1449.72	929.51	912.48	911.49	7
13	V	1566.80	1549.78	1548.79	815.46	798.44	797.45	6
14	E	1695.84	1678.82	1677.83	716.39	699.37	698.38	5
15	K*	1865.95	1848.92	1847.94	587.35	570.32	569.34	4
16	I	1979.03	1962.01	1961.02	417.25	400.22	399.24	3
17	E	2108.08	2091.05	2090.07	304.16	287.13	286.15	2

18	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	18
2	K	121.60	113.08	112.59	1085.06	1076.54	1076.05	17
3	E	186.12	177.60	177.11	1021.01	1012.50	1012.00	16
4	N	243.14	234.63	234.13	956.49	947.97	947.48	15
5	N	300.16	291.65	291.16	899.47	890.95	890.46	14
6	N	357.18	348.67	348.18	842.44	833.93	833.44	13
7	L	413.72	405.21	404.72	785.42	776.91	776.42	12
8	H	482.25	473.74	473.25	728.88	720.37	719.88	11
9	F	555.79	547.27	546.78	660.35	651.84	651.35	10
10	K	619.84	611.32	610.83	586.82	578.30	577.81	9
11	D	677.35	668.84	668.34	522.77	514.26	513.76	8
12	N	734.37	725.86	725.37	465.26	456.74	456.25	7
13	V	783.90	775.39	774.90	408.23	399.72	399.23	6
14	E	848.43	839.91	839.42	358.70	350.19	349.70	5
15	K*	933.48	924.97	924.47	294.18	285.67	285.17	4
16	I	990.02	981.51	981.02	209.13	200.61	200.12	3
17	E	1054.54	1046.03	1045.54	152.58	144.07	143.58	2
18	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	I	38.70	33.03	32.70	-	-	-	18
2	K	81.40	75.72	75.40	723.71	718.03	717.70	17
3	E	124.41	118.74	118.41	681.01	675.33	675.00	16
4	N	162.43	156.75	156.43	637.99	632.32	631.99	15
5	N	200.44	194.77	194.44	599.98	594.30	593.98	14
6	N	238.46	232.78	232.45	561.97	556.29	555.96	13
7	L	276.15	270.48	270.15	523.95	518.28	517.95	12
8	H	321.84	316.16	315.83	486.26	480.58	480.25	11
9	F	370.86	365.19	364.86	440.57	434.89	434.57	10
10	K	413.56	407.88	407.56	391.55	385.87	385.54	9
11	D	451.90	446.23	445.90	348.85	343.17	342.85	8
12	N	489.92	484.24	483.91	310.51	304.83	304.50	7
13	V	522.94	517.26	516.94	272.49	266.82	266.49	6
14	E	565.95	560.28	559.95	239.47	233.79	233.47	5
15	K*	622.65	616.98	616.65	196.46	190.78	190.45	4
16	I	660.35	654.67	654.35	139.75	134.08	133.75	3
17	E	703.36	697.69	697.36	102.06	96.38	96.06	2
18	R	-	-	-	59.04	53.37	53.04	1

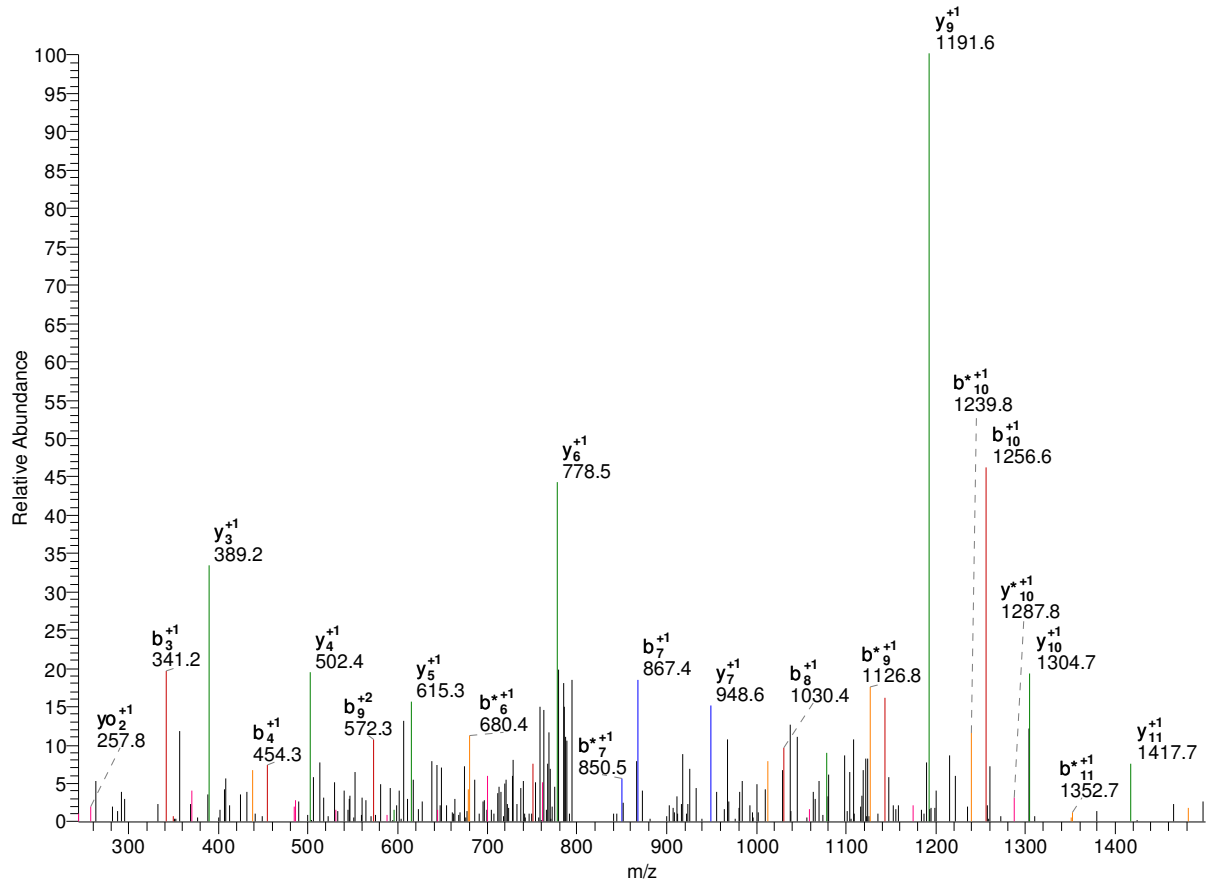
-

1644.96

K.INIINEK*YLILEK.E

psu|PFC0760c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | locat 1262 – 1275

#6683-6683 NL: 8.14E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	13
2	N	228.13	211.11	210.12	1531.87	1514.85	1513.86	12
3	I	341.22	324.19	323.21	1417.83	1400.80	1399.82	11
4	I	454.30	437.28	436.29	1304.75	1287.72	1286.74	10
5	N	568.35	551.32	550.33	1191.66	1174.64	1173.65	9
6	E	697.39	680.36	679.38	1077.62	1060.59	1059.61	8
7	K*	867.49	850.47	849.48	948.58	931.55	930.57	7
8	Y	1030.56	1013.53	1012.55	778.47	761.44	760.46	6
9	L	1143.64	1126.61	1125.63	615.41	598.38	597.40	5
10	I	1256.72	1239.70	1238.71	502.32	485.30	484.31	4
11	L	1369.81	1352.78	1351.80	389.24	372.21	371.23	3
12	E	1498.85	1481.83	1480.84	276.16	259.13	258.14	2
13	K	-	-	-	147.11	130.09	129.10	1

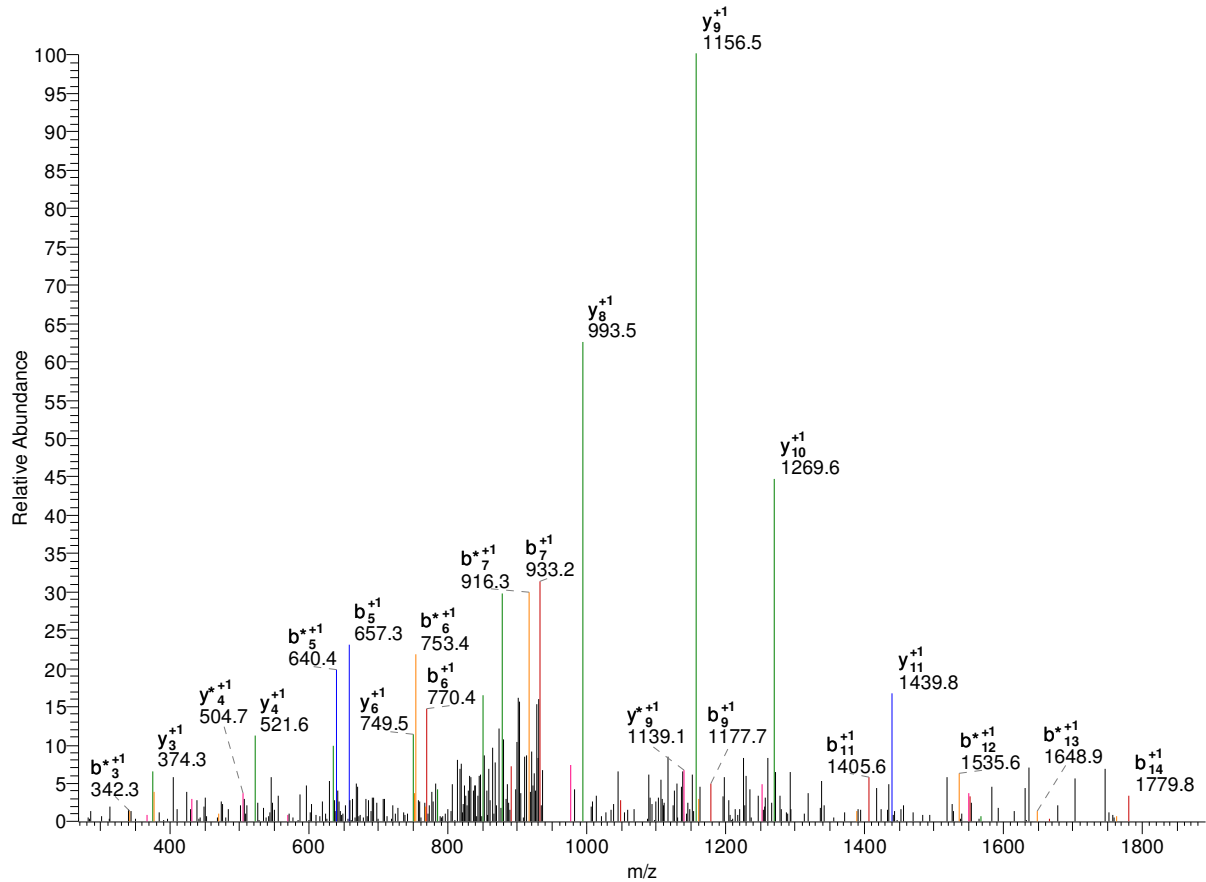
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	13
2	N	114.57	106.06	105.57	766.44	757.93	757.43	12
3	I	171.11	162.60	162.11	709.42	700.91	700.41	11
4	I	227.65	219.14	218.65	652.88	644.36	643.87	10
5	N	284.68	276.16	275.67	596.33	587.82	587.33	9
6	E	349.20	340.68	340.19	539.31	530.80	530.31	8
7	K*	434.25	425.74	425.25	474.79	466.28	465.79	7
8	Y	515.78	507.27	506.78	389.74	381.23	380.73	6
9	L	572.32	563.81	563.32	308.21	299.69	299.20	5
10	I	628.87	620.35	619.86	251.67	243.15	242.66	4
11	L	685.41	676.89	676.40	195.12	186.61	186.12	3
12	E	749.93	741.42	740.92	138.58	130.07	129.58	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1925.94 K.INMQK*LYDENNFLNK.G

psu|PF13_0131 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 128 – 143

#5868-5868 NL: 1.19E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	15
2	N	228.13	211.11	210.12	1812.86	1795.83	1794.85	14
3	M	359.17	342.15	341.16	1698.82	1681.79	1680.81	13
4	Q	487.23	470.21	469.22	1567.78	1550.75	1549.76	12
5	K*	657.34	640.31	639.33	1439.72	1422.69	1421.71	11
6	L	770.42	753.40	752.41	1269.61	1252.58	1251.60	10
7	Y	933.49	916.46	915.48	1156.53	1139.50	1138.52	9
8	D	1048.51	1031.49	1030.50	993.46	976.44	975.45	8
9	E	1177.56	1160.53	1159.55	878.44	861.41	860.43	7
10	N	1291.60	1274.57	1273.59	749.39	732.37	731.38	6
11	N	1405.64	1388.62	1387.63	635.35	618.32	617.34	5
12	F	1552.71	1535.68	1534.70	521.31	504.28	503.30	4
13	L	1665.79	1648.77	1647.78	374.24	357.21	356.23	3
14	N	1779.84	1762.81	1761.83	261.16	244.13	243.15	2
15	K	-	-	-	147.11	130.09	129.10	1

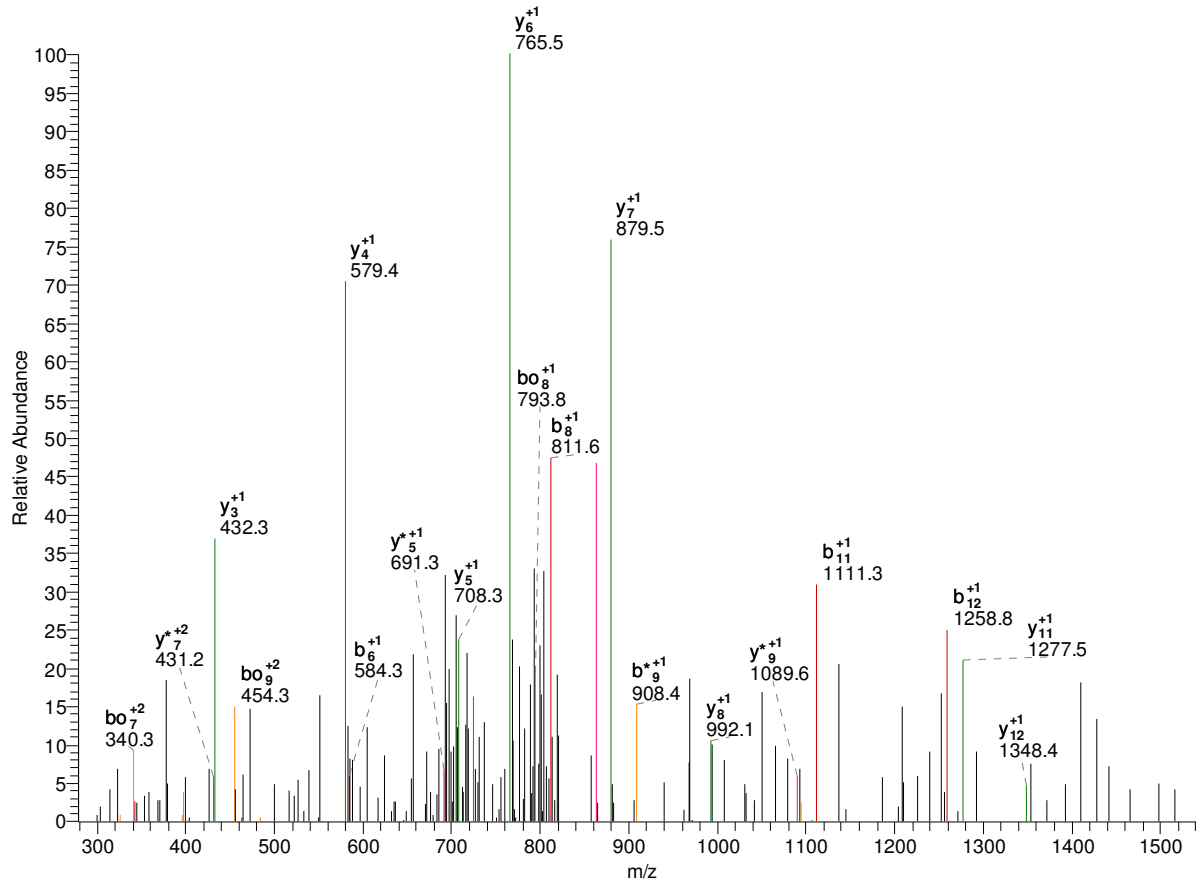
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	15
2	N	114.57	106.06	105.57	906.93	898.42	897.93	14
3	M	180.09	171.58	171.09	849.91	841.40	840.91	13
4	Q	244.12	235.61	235.12	784.39	775.88	775.39	12
5	K*	329.17	320.66	320.17	720.36	711.85	711.36	11
6	L	385.72	377.20	376.71	635.31	626.80	626.30	10
7	Y	467.25	458.73	458.24	578.77	570.25	569.76	9
8	D	524.76	516.25	515.75	497.24	488.72	488.23	8
9	E	589.28	580.77	580.28	439.72	431.21	430.72	7
10	N	646.30	637.79	637.30	375.20	366.69	366.20	6
11	N	703.32	694.81	694.32	318.18	309.67	309.17	5
12	F	776.86	768.35	767.85	261.16	252.64	252.15	4
13	L	833.40	824.89	824.40	187.62	179.11	178.62	3
14	N	890.42	881.91	881.42	131.08	122.57	122.08	2
15	K	-	-	-	74.06	65.55	65.05	1

-

1689.83 K.INNAGNNLNGEFSK*R.I Either K or R at c-terminus is acetylated

psu|PFB0540w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL2:48 1137 – 1152

#2207-2207 NL: 3.01E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	15
2	N	228.13	211.11	210.12	1576.75	1559.72	1558.74	14
3	N	342.18	325.15	324.17	1462.70	1445.68	1444.69	13
4	A	413.21	396.19	395.20	1348.66	1331.63	1330.65	12
5	G	470.24	453.21	452.23	1277.62	1260.60	1259.61	11
6	N	584.28	567.25	566.27	1220.60	1203.58	1202.59	10
7	N	698.32	681.30	680.31	1106.56	1089.53	1088.55	9
8	L	811.41	794.38	793.40	992.52	975.49	974.51	8
9	N	925.45	908.42	907.44	879.43	862.41	861.42	7
10	G	982.47	965.44	964.46	765.39	748.36	747.38	6
11	E	1111.51	1094.49	1093.50	708.37	691.34	690.36	5
12	F	1258.58	1241.55	1240.57	579.32	562.30	561.31	4
13	S	1345.61	1328.59	1327.60	432.26	415.23	414.25	3
14	K	1473.71	1456.68	1455.70	345.22	328.20	327.21	2
15	R*	-	-	-	217.13	200.10	199.12	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	15
2	N	114.57	106.06	105.57	788.88	780.36	779.87	14
3	N	171.59	163.08	162.59	731.86	723.34	722.85	13
4	A	207.11	198.60	198.11	674.83	666.32	665.83	12
5	G	235.62	227.11	226.62	639.32	630.80	630.31	11
6	N	292.64	284.13	283.64	610.80	602.29	601.80	10
7	N	349.66	341.15	340.66	553.78	545.27	544.78	9
8	L	406.21	397.69	397.20	496.76	488.25	487.76	8
9	N	463.23	454.71	454.22	440.22	431.71	431.21	7
10	G	491.74	483.23	482.73	383.20	374.68	374.19	6
11	E	556.26	547.75	547.25	354.69	346.17	345.68	5
12	F	629.79	621.28	620.79	290.17	281.65	281.16	4
13	S	673.31	664.80	664.30	216.63	208.12	207.63	3
14	K	737.36	728.84	728.35	173.12	164.60	164.11	2
15	R*	-	-	-	109.07	100.56	100.06	1

-

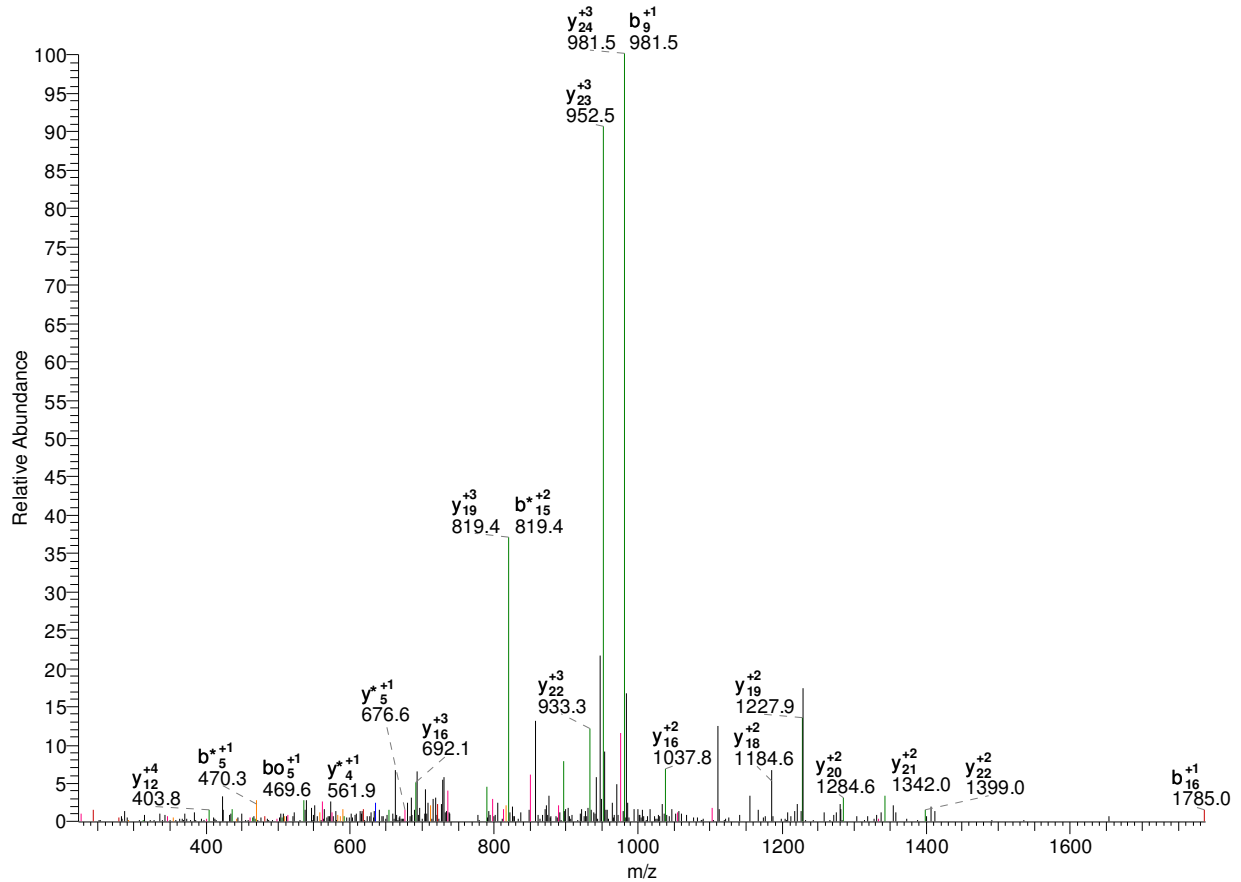
1	I	57.55	49.04	48.54	-	-	-	12
2	N	114.57	106.06	105.57	770.39	761.88	761.38	11
3	W	207.61	199.10	198.61	713.37	704.85	704.36	10
4	N	264.63	256.12	255.63	620.33	611.81	611.32	9
5	K	328.68	320.17	319.67	563.31	554.79	554.30	8
6	Y	410.21	401.70	401.21	499.26	490.75	490.25	7
7	D	467.72	459.21	458.72	417.73	409.21	408.72	6
8	N	524.75	516.23	515.74	360.21	351.70	351.21	5
9	L	581.29	572.77	572.28	303.19	294.68	294.19	4
10	F	654.82	646.31	645.82	246.65	238.14	237.64	3
11	K	718.87	710.36	709.86	173.12	164.60	164.11	2
12	R*	-	-	-	109.07	100.56	100.06	1

-

3054.43 K.ISGNLDSFFDTELETER*HELNYLNK*.I

psu|PFE1075c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | locat 263 – 288

#8274-8274 NL: 3.75E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	25
2	S	201.12	184.10	183.11	2941.35	2924.32	2923.34	24
3	G	258.14	241.12	240.13	2854.32	2837.29	2836.31	23
4	N	372.19	355.16	354.18	2797.30	2780.27	2779.28	22
5	D	487.21	470.19	469.20	2683.25	2666.23	2665.24	21
6	L	600.30	583.27	582.29	2568.23	2551.20	2550.21	20
7	S	687.33	670.30	669.32	2455.14	2438.11	2437.13	19
8	F	834.40	817.37	816.39	2368.11	2351.08	2350.10	18
9	F	981.47	964.44	963.46	2221.04	2204.01	2203.03	17
10	D	1096.49	1079.47	1078.48	2073.97	2056.95	2055.96	16
11	T	1197.54	1180.52	1179.53	1958.95	1941.92	1940.93	15
12	D	1312.57	1295.54	1294.56	1857.90	1840.87	1839.89	14
13	E	1441.61	1424.59	1423.60	1742.87	1725.84	1724.86	13
14	T	1542.66	1525.63	1524.65	1613.83	1596.80	1595.82	12
15	L	1655.74	1638.72	1637.73	1512.78	1495.75	1494.77	11
16	E	1784.79	1767.76	1766.78	1399.70	1382.67	1381.69	10
17	R*	1982.90	1965.87	1964.89	1270.65	1253.63	1252.64	9
18	H	2119.96	2102.93	2101.95	1072.54	1055.52	1054.53	8

19	E	2249.00	2231.97	2230.99	935.48	918.46	917.47	7
20	L	2362.08	2345.06	2344.07	806.44	789.41	788.43	6
21	N	2476.13	2459.10	2458.12	693.36	676.33	675.35	5
22	Y	2639.19	2622.16	2621.18	579.31	562.29	561.30	4
23	L	2752.27	2735.25	2734.26	416.25	399.22	398.24	3
24	N	2866.32	2849.29	2848.31	303.17	286.14	285.16	2
25	K*	-	-	-	189.12	172.10	171.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	25
2	S	101.07	92.55	92.06	1471.18	1462.66	1462.17	24
3	G	129.58	121.06	120.57	1427.66	1419.15	1418.66	23
4	N	186.60	178.08	177.59	1399.15	1390.64	1390.15	22
5	D	244.11	235.60	235.11	1342.13	1333.62	1333.12	21
6	L	300.65	292.14	291.65	1284.62	1276.10	1275.61	20
7	S	344.17	335.66	335.16	1228.07	1219.56	1219.07	19
8	F	417.70	409.19	408.70	1184.56	1176.04	1175.55	18
9	F	491.24	482.72	482.23	1111.02	1102.51	1102.02	17
10	D	548.75	540.24	539.75	1037.49	1028.98	1028.48	16
11	T	599.27	590.76	590.27	979.98	971.46	970.97	15
12	D	656.79	648.27	647.78	929.45	920.94	920.45	14
13	E	721.31	712.80	712.30	871.94	863.43	862.93	13
14	T	771.83	763.32	762.83	807.42	798.90	798.41	12
15	L	828.38	819.86	819.37	756.89	748.38	747.89	11
16	E	892.90	884.38	883.89	700.35	691.84	691.35	10
17	R*	991.95	983.44	982.95	635.83	627.32	626.83	9
18	H	1060.48	1051.97	1051.48	536.77	528.26	527.77	8
19	E	1125.00	1116.49	1116.00	468.25	459.73	459.24	7
20	L	1181.55	1173.03	1172.54	403.72	395.21	394.72	6
21	N	1238.57	1230.05	1229.56	347.18	338.67	338.18	5
22	Y	1320.10	1311.59	1311.09	290.16	281.65	281.16	4
23	L	1376.64	1368.13	1367.64	208.63	200.12	199.62	3
24	N	1433.66	1425.15	1424.66	152.09	143.57	143.08	2
25	K*	-	-	-	95.07	86.55	86.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	I	38.70	33.03	32.70	-	-	-	25
2	S	67.71	62.04	61.71	981.12	975.45	975.12	24
3	G	86.72	81.04	80.72	952.11	946.43	946.11	23
4	N	124.73	119.06	118.73	933.10	927.43	927.10	22
5	D	163.08	157.40	157.07	895.09	889.41	889.09	21
6	L	200.77	195.10	194.77	856.75	851.07	850.74	20
7	S	229.78	224.11	223.78	819.05	813.38	813.05	19
8	F	278.80	273.13	272.80	790.04	784.37	784.04	18
9	F	327.83	322.15	321.82	741.02	735.34	735.01	17
10	D	366.17	360.49	360.17	692.00	686.32	685.99	16
11	T	399.85	394.18	393.85	653.65	647.98	647.65	15
12	D	438.19	432.52	432.19	619.97	614.30	613.97	14
13	E	481.21	475.53	475.21	581.63	575.95	575.62	13
14	T	514.89	509.22	508.89	538.61	532.94	532.61	12
15	L	552.59	546.91	546.58	504.93	499.26	498.93	11
16	E	595.60	589.92	589.60	467.24	461.56	461.23	10
17	R*	661.64	655.96	655.63	424.22	418.55	418.22	9
18	H	707.32	701.65	701.32	358.19	352.51	352.18	8

19	E	750.34	744.66	744.33	312.50	306.82	306.50	7
20	L	788.03	782.36	782.03	269.49	263.81	263.48	6
21	N	826.05	820.37	820.04	231.79	226.11	225.79	5
22	Y	880.40	874.73	874.40	193.78	188.10	187.77	4
23	L	918.10	912.42	912.09	139.42	133.75	133.42	3
24	N	956.11	950.43	950.11	101.73	96.05	95.72	2
25	K*	-	-	-	63.71	58.04	57.71	1

-

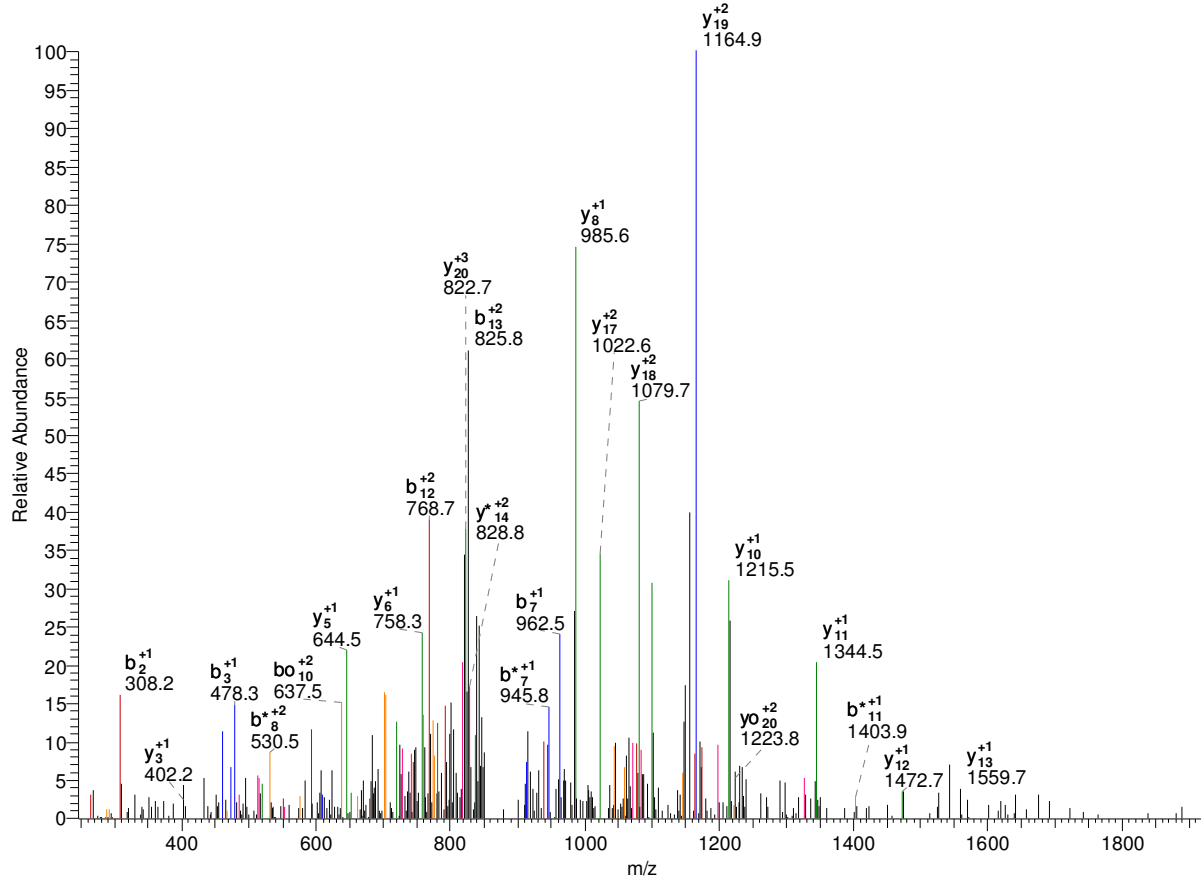
+4 Ions		B	B*	B0	Y	Y*	Y0	
1	I	29.28	25.02	24.78	-	-	-	25
2	S	51.04	46.78	46.53	736.09	731.84	731.59	24
3	G	65.29	61.04	60.79	714.33	710.08	709.83	23
4	N	93.80	89.55	89.30	700.08	695.82	695.58	22
5	D	122.56	118.30	118.06	671.57	667.31	667.07	21
6	L	150.83	146.57	146.33	642.81	638.56	638.31	20
7	S	172.59	168.33	168.09	614.54	610.28	610.04	19
8	F	209.36	205.10	204.85	592.78	588.53	588.28	18
9	F	246.12	241.87	241.62	556.02	551.76	551.51	17
10	D	274.88	270.62	270.38	519.25	514.99	514.75	16
11	T	300.14	295.88	295.64	490.49	486.24	485.99	15
12	D	328.90	324.64	324.40	465.23	460.97	460.73	14
13	E	361.16	356.90	356.66	436.47	432.22	431.97	13
14	T	386.42	382.16	381.92	404.21	399.96	399.71	12
15	L	414.69	410.43	410.19	378.95	374.69	374.45	11
16	E	446.95	442.70	442.45	350.68	346.42	346.18	10
17	R*	496.48	492.22	491.98	318.42	314.16	313.92	9
18	H	530.74	526.49	526.24	268.89	264.63	264.39	8
19	E	563.01	558.75	558.50	234.63	230.37	230.12	7
20	L	591.28	587.02	586.77	202.37	198.11	197.86	6
21	N	619.79	615.53	615.28	174.09	169.84	169.59	5
22	Y	660.55	656.30	656.05	145.58	141.33	141.08	4
23	L	688.82	684.57	684.32	104.82	100.56	100.32	3
24	N	717.33	713.08	712.83	76.55	72.29	72.04	2
25	K*	-	-	-	48.04	43.78	43.53	1

-

2635.32 K.K*HK*NSLK*NSKEDDLNNNQNL.R.S

psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 1786 – 1807

#1392-1392 NL: 1.22E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	21
2	H	308.17	291.15	290.16	2465.21	2448.19	2447.20	20
3	K*	478.28	461.25	460.27	2328.15	2311.13	2310.14	19
4	N	592.32	575.29	574.31	2158.05	2141.02	2140.04	18
5	S	679.35	662.33	661.34	2044.01	2026.98	2025.99	17
6	L	792.44	775.41	774.43	1956.97	1939.95	1938.96	16
7	K*	962.54	945.52	944.53	1843.89	1826.86	1825.88	15
8	N	1076.58	1059.56	1058.57	1673.78	1656.76	1655.77	14
9	S	1163.62	1146.59	1145.61	1559.74	1542.71	1541.73	13
10	K	1291.71	1274.69	1273.70	1472.71	1455.68	1454.70	12
11	E	1420.75	1403.73	1402.74	1344.61	1327.59	1326.60	11
12	D	1535.78	1518.75	1517.77	1215.57	1198.54	1197.56	10
13	D	1650.81	1633.78	1632.80	1100.54	1083.52	1082.53	9
14	L	1763.89	1746.87	1745.88	985.52	968.49	967.51	8
15	N	1877.94	1860.91	1859.92	872.43	855.41	854.42	7
16	N	1991.98	1974.95	1973.97	758.39	741.36	740.38	6
17	N	2106.02	2088.99	2088.01	644.35	627.32	626.34	5
18	Q	2234.08	2217.05	2216.07	530.30	513.28	512.29	4

19	N	2348.12	2331.10	2330.11	402.25	385.22	384.24	3
20	L	2461.21	2444.18	2443.20	288.20	271.18	270.19	2
21	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	21
2	H	154.59	146.08	145.58	1233.11	1224.60	1224.10	20
3	K*	239.64	231.13	230.64	1164.58	1156.07	1155.58	19
4	N	296.66	288.15	287.66	1079.53	1071.01	1070.52	18
5	S	340.18	331.67	331.17	1022.51	1013.99	1013.50	17
6	L	396.72	388.21	387.72	978.99	970.48	969.99	16
7	K*	481.77	473.26	472.77	922.45	913.94	913.44	15
8	N	538.80	530.28	529.79	837.40	828.88	828.39	14
9	S	582.31	573.80	573.31	780.37	771.86	771.37	13
10	K	646.36	637.85	637.35	736.86	728.34	727.85	12
11	E	710.88	702.37	701.88	672.81	664.30	663.81	11
12	D	768.39	759.88	759.39	608.29	599.78	599.28	10
13	D	825.91	817.39	816.90	550.78	542.26	541.77	9
14	L	882.45	873.94	873.44	493.26	484.75	484.26	8
15	N	939.47	930.96	930.47	436.72	428.21	427.72	7
16	N	996.49	987.98	987.49	379.70	371.19	370.69	6
17	N	1053.51	1045.00	1044.51	322.68	314.16	313.67	5
18	Q	1117.54	1109.03	1108.54	265.66	257.14	256.65	4
19	N	1174.56	1166.05	1165.56	201.63	193.11	192.62	3
20	L	1231.11	1222.59	1222.10	144.61	136.09	135.60	2
21	R	-	-	-	88.06	79.55	79.06	1

-

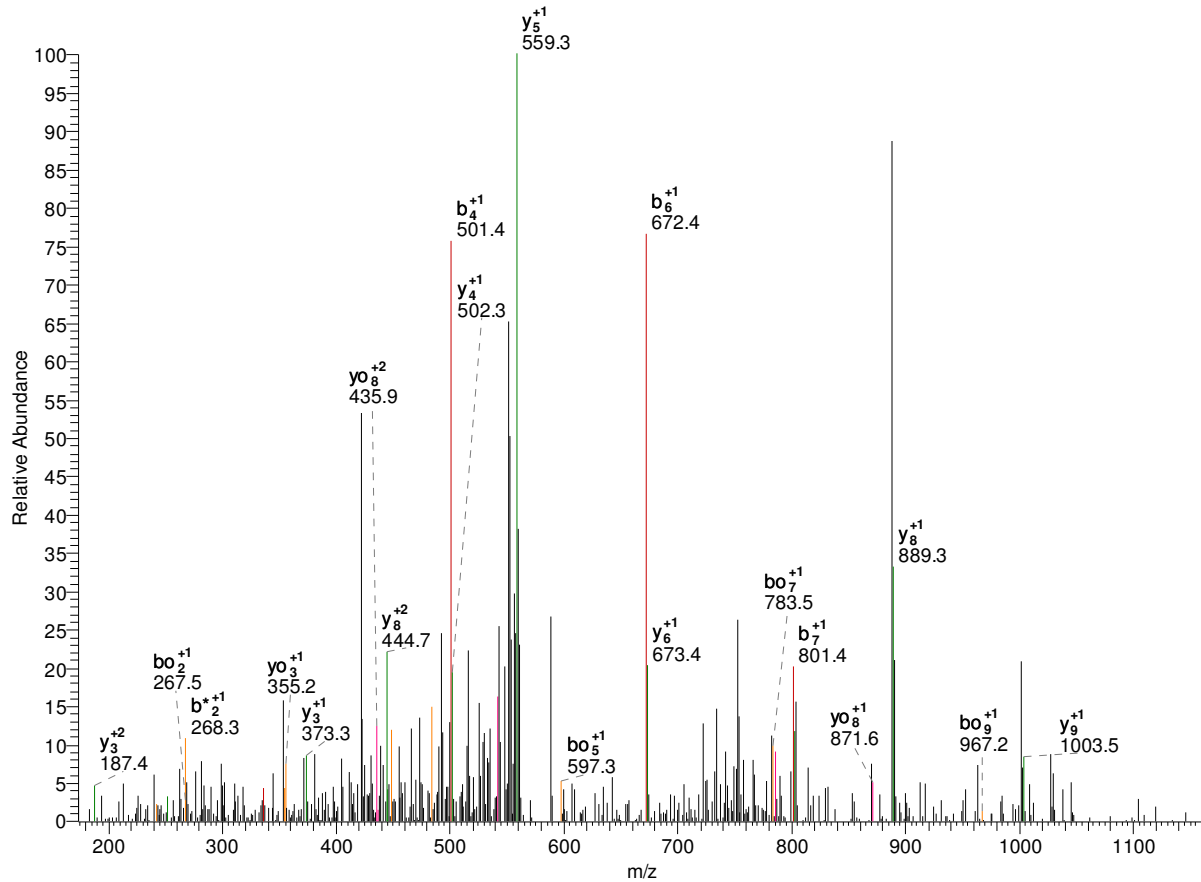
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	57.71	52.03	51.71	-	-	-	21
2	H	103.40	97.72	97.39	822.41	816.73	816.41	20
3	K*	160.10	154.42	154.09	776.72	771.05	770.72	19
4	N	198.11	192.44	192.11	720.02	714.35	714.02	18
5	S	227.12	221.45	221.12	682.01	676.33	676.00	17
6	L	264.82	259.14	258.81	653.00	647.32	646.99	16
7	K*	321.52	315.84	315.52	615.30	609.63	609.30	15
8	N	359.53	353.86	353.53	558.60	552.92	552.60	14
9	S	388.54	382.87	382.54	520.59	514.91	514.58	13
10	K	431.24	425.57	425.24	491.57	485.90	485.57	12
11	E	474.26	468.58	468.25	448.88	443.20	442.87	11
12	D	512.60	506.92	506.60	405.86	400.19	399.86	10
13	D	550.94	545.27	544.94	367.52	361.84	361.52	9
14	L	588.64	582.96	582.63	329.18	323.50	323.17	8
15	N	626.65	620.97	620.65	291.48	285.81	285.48	7
16	N	664.66	658.99	658.66	253.47	247.79	247.46	6
17	N	702.68	697.00	696.68	215.45	209.78	209.45	5
18	Q	745.36	739.69	739.36	177.44	171.76	171.44	4
19	N	783.38	777.70	777.38	134.75	129.08	128.75	3
20	L	821.07	815.40	815.07	96.74	91.06	90.74	2
21	R	-	-	-	59.04	53.37	53.04	1

-

1173.57 K.K*NSENGELAK*.T

psu|PF10_0284 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 983 – 993

#3533-3533 NL: 1.48E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	10
2	N	285.16	268.13	267.15	1003.47	986.44	985.46	9
3	S	372.19	355.16	354.18	889.43	872.40	871.42	8
4	E	501.23	484.20	483.22	802.39	785.37	784.38	7
5	N	615.27	598.25	597.26	673.35	656.32	655.34	6
6	G	672.29	655.27	654.28	559.31	542.28	541.30	5
7	E	801.34	784.31	783.33	502.29	485.26	484.28	4
8	L	914.42	897.39	896.41	373.24	356.22	355.23	3
9	A	985.46	968.43	967.45	260.16	243.13	242.15	2
10	K*	-	-	-	189.12	172.10	171.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	10
2	N	143.08	134.57	134.08	502.24	493.72	493.23	9

3	S	186.60	178.08	177.59	445.22	436.70	436.21	8
4	E	251.12	242.61	242.11	401.70	393.19	392.70	7
5	N	308.14	299.63	299.13	337.18	328.67	328.17	6
6	G	336.65	328.14	327.65	280.16	271.64	271.15	5
7	E	401.17	392.66	392.17	251.65	243.13	242.64	4
8	L	457.71	449.20	448.71	187.13	178.61	178.12	3
9	A	493.23	484.72	484.23	130.58	122.07	121.58	2
10	K*	-	-	-	95.07	86.55	86.06	1

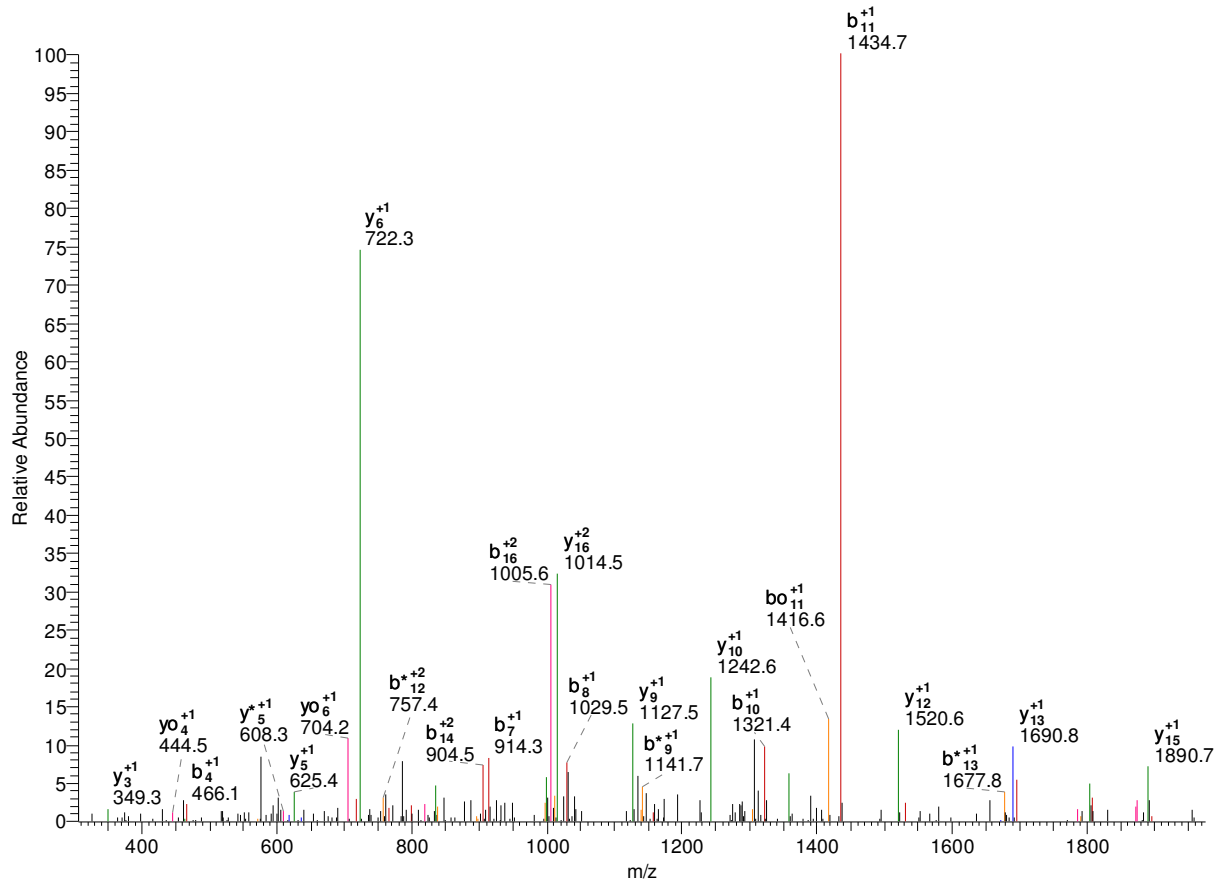
-

2156.05

K.KHSIK*YDDEYIPYISDK.V

psu|PF10_0171 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL10: 625 – 642

#5031-5031 NL: 2.58E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	17
2	H	266.16	249.13	248.15	2027.96	2010.93	2009.95	16
3	S	353.19	336.17	335.18	1890.90	1873.87	1872.89	15
4	I	466.28	449.25	448.27	1803.87	1786.84	1785.86	14
5	K*	636.38	619.36	618.37	1690.78	1673.76	1672.77	13
6	Y	799.45	782.42	781.44	1520.68	1503.65	1502.67	12
7	D	914.47	897.45	896.46	1357.62	1340.59	1339.61	11
8	D	1029.50	1012.47	1011.49	1242.59	1225.56	1224.58	10
9	E	1158.54	1141.52	1140.53	1127.56	1110.54	1109.55	9
10	Y	1321.61	1304.58	1303.60	998.52	981.49	980.51	8
11	I	1434.69	1417.66	1416.68	835.46	818.43	817.45	7
12	P	1531.74	1514.72	1513.73	722.37	705.35	704.36	6
13	Y	1694.81	1677.78	1676.80	625.32	608.29	607.31	5
14	I	1807.89	1790.86	1789.88	462.26	445.23	444.25	4
15	S	1894.92	1877.90	1876.91	349.17	332.15	331.16	3
16	D	2009.95	1992.92	1991.94	262.14	245.11	244.13	2

17	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

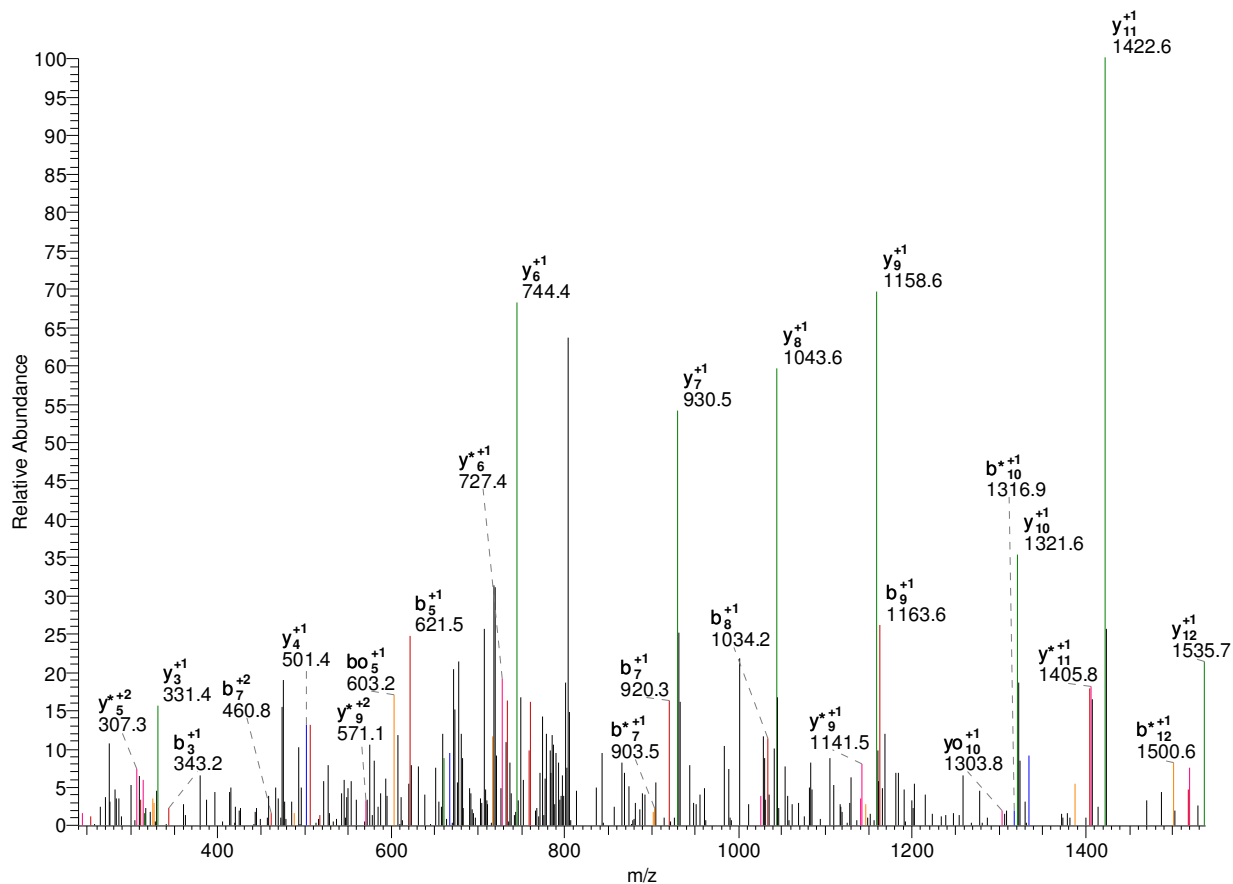
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	17
2	H	133.58	125.07	124.58	1014.48	1005.97	1005.48	16
3	S	177.10	168.59	168.09	945.95	937.44	936.95	15
4	I	233.64	225.13	224.64	902.44	893.92	893.43	14
5	K*	318.70	310.18	309.69	845.90	837.38	836.89	13
6	Y	400.23	391.71	391.22	760.84	752.33	751.84	12
7	D	457.74	449.23	448.73	679.31	670.80	670.31	11
8	D	515.25	506.74	506.25	621.80	613.28	612.79	10
9	E	579.77	571.26	570.77	564.28	555.77	555.28	9
10	Y	661.31	652.79	652.30	499.76	491.25	490.76	8
11	I	717.85	709.34	708.84	418.23	409.72	409.23	7
12	P	766.38	757.86	757.37	361.69	353.18	352.68	6
13	Y	847.91	839.39	838.90	313.16	304.65	304.16	5
14	I	904.45	895.94	895.44	231.63	223.12	222.63	4
15	S	947.96	939.45	938.96	175.09	166.58	166.08	3
16	D	1005.48	996.96	996.47	131.57	123.06	122.57	2
17	K	-	-	-	74.06	65.55	65.05	1

-

1663.91 K.KITYDLWNEK*ALK.I

psu|PF11_0098 | organism=Plasmodium_falciparum_3D7 | product=endoplasmic reticulum-resident calcium 262 – 275

#5660-5660 NL: 6.95E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	13
2	I	242.19	225.16	224.18	1535.81	1518.78	1517.80	12
3	T	343.23	326.21	325.22	1422.73	1405.70	1404.72	11
4	Y	506.30	489.27	488.29	1321.68	1304.65	1303.67	10
5	D	621.32	604.30	603.31	1158.62	1141.59	1140.60	9
6	L	734.41	717.38	716.40	1043.59	1026.56	1025.58	8
7	W	920.49	903.46	902.48	930.50	913.48	912.49	7
8	N	1034.53	1017.50	1016.52	744.43	727.40	726.41	6
9	E	1163.57	1146.55	1145.56	630.38	613.36	612.37	5
10	K*	1333.68	1316.65	1315.67	501.34	484.31	483.33	4
11	A	1404.72	1387.69	1386.71	331.23	314.21	313.22	3
12	L	1517.80	1500.77	1499.79	260.20	243.17	242.19	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	13
2	I	121.60	113.08	112.59	768.41	759.90	759.40	12

3	T	172.12	163.61	163.12	711.87	703.35	702.86	11
4	Y	253.65	245.14	244.65	661.34	652.83	652.34	10
5	D	311.17	302.65	302.16	579.81	571.30	570.81	9
6	L	367.71	359.19	358.70	522.30	513.78	513.29	8
7	W	460.75	452.23	451.74	465.76	457.24	456.75	7
8	N	517.77	509.26	508.76	372.72	364.20	363.71	6
9	E	582.29	573.78	573.28	315.69	307.18	306.69	5
10	K*	667.34	658.83	658.34	251.17	242.66	242.17	4
11	A	702.86	694.35	693.86	166.12	157.61	157.12	3
12	L	759.40	750.89	750.40	130.60	122.09	121.60	2
13	K	-	-	-	74.06	65.55	65.05	1

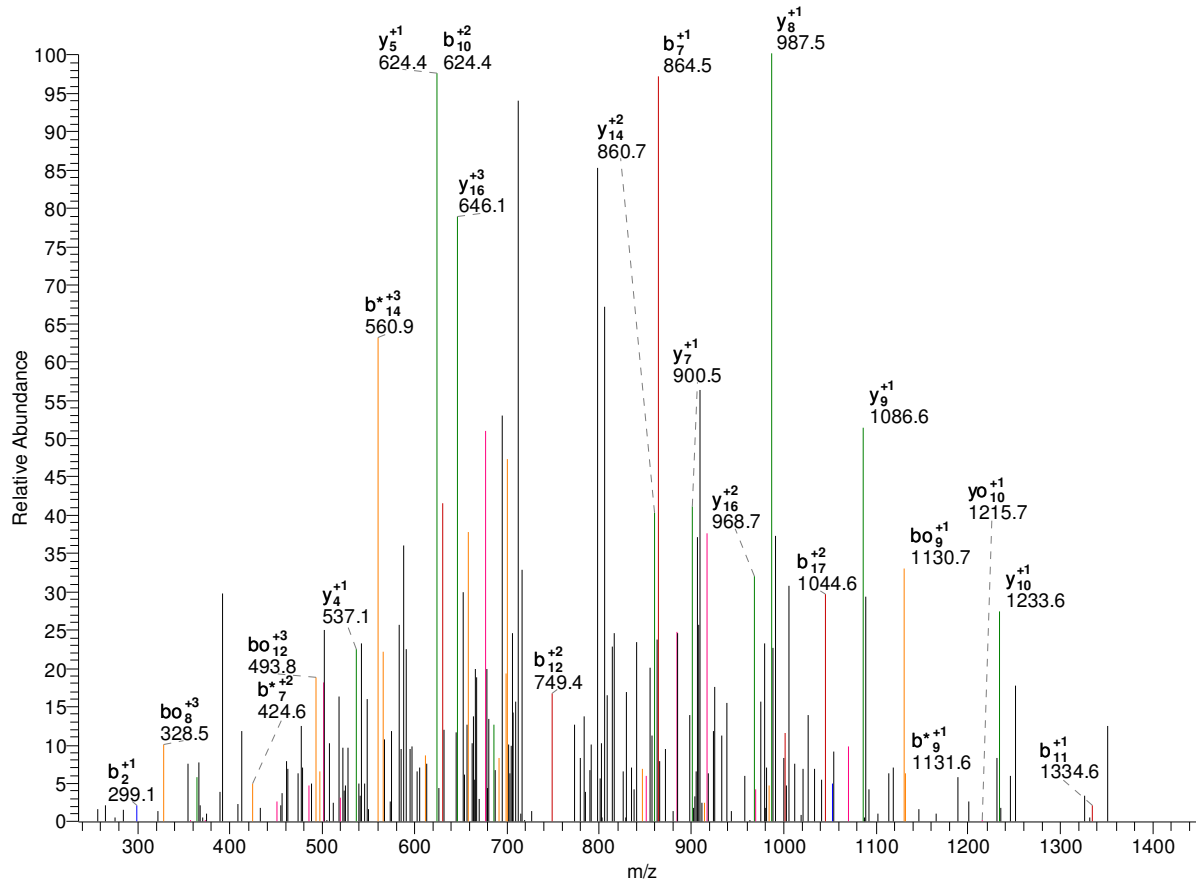
-

2234.08

K.KK*SEDSFHFVSYISFQDK.V May be either N-Term Lysine

psu|PF11_0177 | organism=Plasmodium_falciparum_3D7 | product=ubiquitin C-terminal hydrolase, family 212 – 230

#4992-4992 NL: 2.77E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	18
2	K*	299.21	282.18	281.20	2105.98	2088.95	2087.97	17
3	S	386.24	369.21	368.23	1935.88	1918.85	1917.87	16
4	E	515.28	498.26	497.27	1848.84	1831.82	1830.83	15
5	D	630.31	613.28	612.30	1719.80	1702.77	1701.79	14
6	S	717.34	700.31	699.33	1604.77	1587.75	1586.76	13
7	F	864.41	847.38	846.40	1517.74	1500.72	1499.73	12
8	H	1001.47	984.44	983.46	1370.67	1353.65	1352.66	11
9	F	1148.54	1131.51	1130.53	1233.62	1216.59	1215.60	10
10	V	1247.61	1230.58	1229.59	1086.55	1069.52	1068.54	9
11	S	1334.64	1317.61	1316.63	987.48	970.45	969.47	8
12	Y	1497.70	1480.67	1479.69	900.45	883.42	882.44	7
13	I	1610.78	1593.76	1592.77	737.38	720.36	719.37	6
14	S	1697.82	1680.79	1679.81	624.30	607.27	606.29	5
15	F	1844.89	1827.86	1826.87	537.27	520.24	519.26	4
16	Q	1972.94	1955.92	1954.93	390.20	373.17	372.19	3
17	D	2087.97	2070.94	2069.96	262.14	245.11	244.13	2
18	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	18
2	K*	150.11	141.59	141.10	1053.49	1044.98	1044.49	17
3	S	193.62	185.11	184.62	968.44	959.93	959.44	16
4	E	258.14	249.63	249.14	924.93	916.41	915.92	15
5	D	315.66	307.15	306.65	860.40	851.89	851.40	14
6	S	359.17	350.66	350.17	802.89	794.38	793.89	13
7	F	432.71	424.20	423.70	759.37	750.86	750.37	12
8	H	501.24	492.72	492.23	685.84	677.33	676.84	11
9	F	574.77	566.26	565.77	617.31	608.80	608.31	10
10	V	624.31	615.79	615.30	543.78	535.26	534.77	9
11	S	667.82	659.31	658.82	494.24	485.73	485.24	8
12	Y	749.35	740.84	740.35	450.73	442.21	441.72	7
13	I	805.90	797.38	796.89	369.20	360.68	360.19	6
14	S	849.41	840.90	840.41	312.65	304.14	303.65	5
15	F	922.95	914.43	913.94	269.14	260.62	260.13	4
16	Q	986.98	978.46	977.97	195.60	187.09	186.60	3
17	D	1044.49	1035.98	1035.48	131.57	123.06	122.57	2
18	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K	43.71	38.03	37.70	-	-	-	18
2	K*	100.41	94.73	94.40	702.67	696.99	696.66	17
3	S	129.42	123.74	123.41	645.96	640.29	639.96	16
4	E	172.43	166.76	166.43	616.95	611.28	610.95	15
5	D	210.77	205.10	204.77	573.94	568.26	567.94	14
6	S	239.79	234.11	233.78	535.60	529.92	529.59	13
7	F	288.81	283.13	282.80	506.59	500.91	500.58	12
8	H	334.49	328.82	328.49	457.56	451.89	451.56	11
9	F	383.52	377.84	377.51	411.88	406.20	405.87	10
10	V	416.54	410.86	410.54	362.85	357.18	356.85	9
11	S	445.55	439.88	439.55	329.83	324.16	323.83	8
12	Y	499.91	494.23	493.90	300.82	295.14	294.82	7

13	I	537.60	531.92	531.60	246.47	240.79	240.46	6
14	S	566.61	560.93	560.61	208.77	203.10	202.77	5
15	F	615.63	609.96	609.63	179.76	174.08	173.76	4
16	Q	658.32	652.64	652.32	130.74	125.06	124.73	3
17	D	696.66	690.99	690.66	88.05	82.38	82.05	2
18	K	-	-	-	49.71	44.03	43.71	1

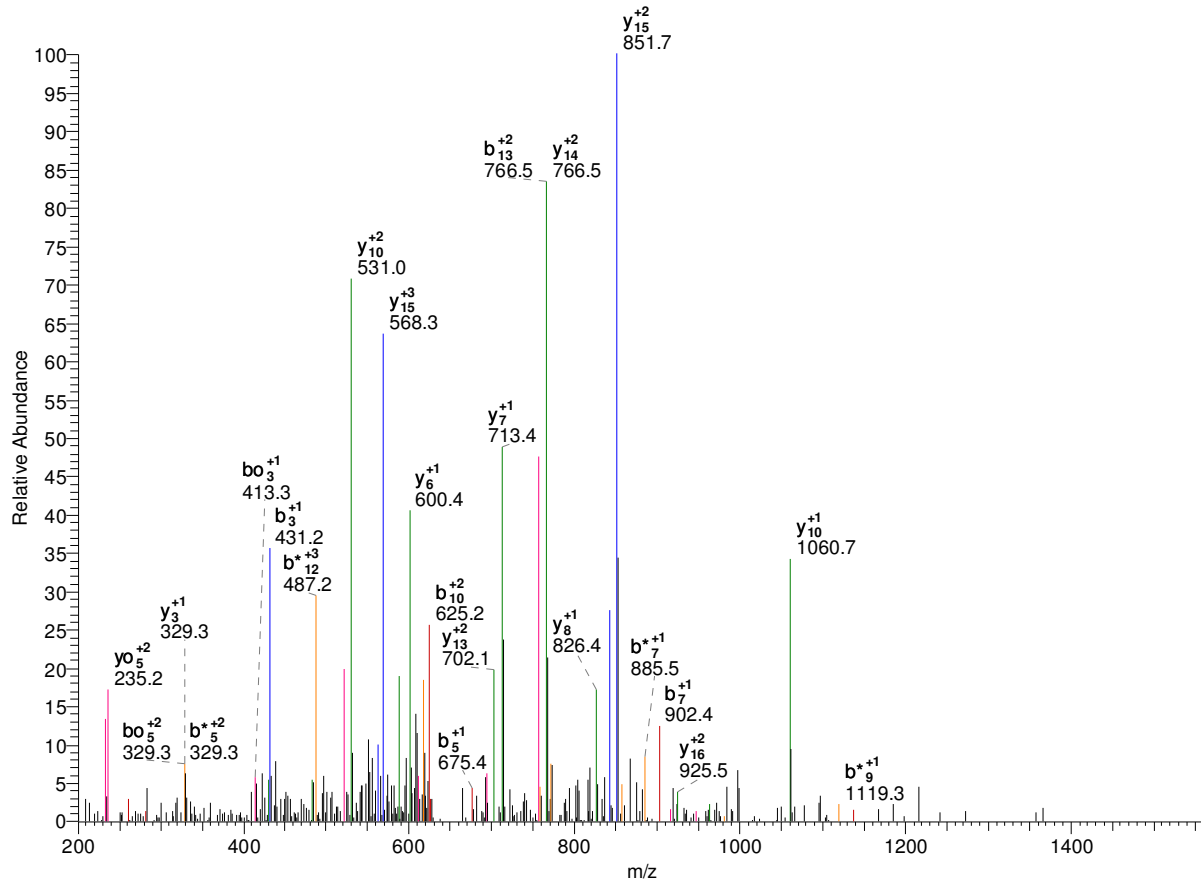
-

1962.08

K.LFK*EDNIPHIIGTPGR.I

psu|PFB0445c | organism=Plasmodium_falciparum_3D7 | product=helicase, putative | location=MAL2:4042 189 – 206

#5978-5978 NL: 1.69E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	17
2	F	261.16	244.13	243.15	1849.00	1831.97	1830.99	16
3	K*	431.27	414.24	413.25	1701.93	1684.90	1683.92	15
4	E	560.31	543.28	542.30	1531.82	1514.80	1513.81	14
5	D	675.33	658.31	657.32	1402.78	1385.75	1384.77	13
6	N	789.38	772.35	771.37	1287.75	1270.73	1269.74	12
7	I	902.46	885.44	884.45	1173.71	1156.68	1155.70	11
8	P	999.51	982.49	981.50	1060.63	1043.60	1042.62	10
9	H	1136.57	1119.55	1118.56	963.57	946.55	945.56	9
10	I	1249.66	1232.63	1231.65	826.51	809.49	808.50	8
11	I	1362.74	1345.72	1344.73	713.43	696.40	695.42	7
12	I	1475.83	1458.80	1457.82	600.35	583.32	582.34	6
13	G	1532.85	1515.82	1514.84	487.26	470.24	469.25	5
14	T	1633.89	1616.87	1615.88	430.24	413.21	412.23	4
15	P	1730.95	1713.92	1712.94	329.19	312.17	311.18	3
16	G	1787.97	1770.94	1769.96	232.14	215.11	214.13	2

17	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	17
2	F	131.08	122.57	122.08	925.00	916.49	916.00	16
3	K*	216.14	207.62	207.13	851.47	842.95	842.46	15
4	E	280.66	272.14	271.65	766.41	757.90	757.41	14
5	D	338.17	329.66	329.17	701.89	693.38	692.89	13
6	N	395.19	386.68	386.19	644.38	635.87	635.37	12
7	I	451.73	443.22	442.73	587.36	578.85	578.35	11
8	P	500.26	491.75	491.26	530.82	522.30	521.81	10
9	H	568.79	560.28	559.79	482.29	473.78	473.29	9
10	I	625.33	616.82	616.33	413.76	405.25	404.76	8
11	I	681.87	673.36	672.87	357.22	348.71	348.21	7
12	I	738.42	729.90	729.41	300.68	292.16	291.67	6
13	G	766.93	758.41	757.92	244.13	235.62	235.13	5
14	T	817.45	808.94	808.45	215.62	207.11	206.62	4
15	P	865.98	857.46	856.97	165.10	156.59	156.09	3
16	G	894.49	885.97	885.48	116.57	108.06	107.57	2
17	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	17
2	F	87.72	82.05	81.72	617.00	611.33	611.00	16
3	K*	144.43	138.75	138.42	567.98	562.31	561.98	15
4	E	187.44	181.77	181.44	511.28	505.60	505.28	14
5	D	225.78	220.11	219.78	468.26	462.59	462.26	13
6	N	263.80	258.12	257.79	429.92	424.25	423.92	12
7	I	301.49	295.82	295.49	391.91	386.23	385.90	11
8	P	333.84	328.17	327.84	354.21	348.54	348.21	10
9	H	379.53	373.85	373.53	321.86	316.19	315.86	9
10	I	417.22	411.55	411.22	276.18	270.50	270.17	8
11	I	454.92	449.24	448.92	238.48	232.81	232.48	7
12	I	492.61	486.94	486.61	200.79	195.11	194.78	6
13	G	511.62	505.95	505.62	163.09	157.42	157.09	5
14	T	545.30	539.63	539.30	144.09	138.41	138.08	4
15	P	577.65	571.98	571.65	110.40	104.73	104.40	3
16	G	596.66	590.99	590.66	78.05	72.38	72.05	2
17	R	-	-	-	59.04	53.37	53.04	1

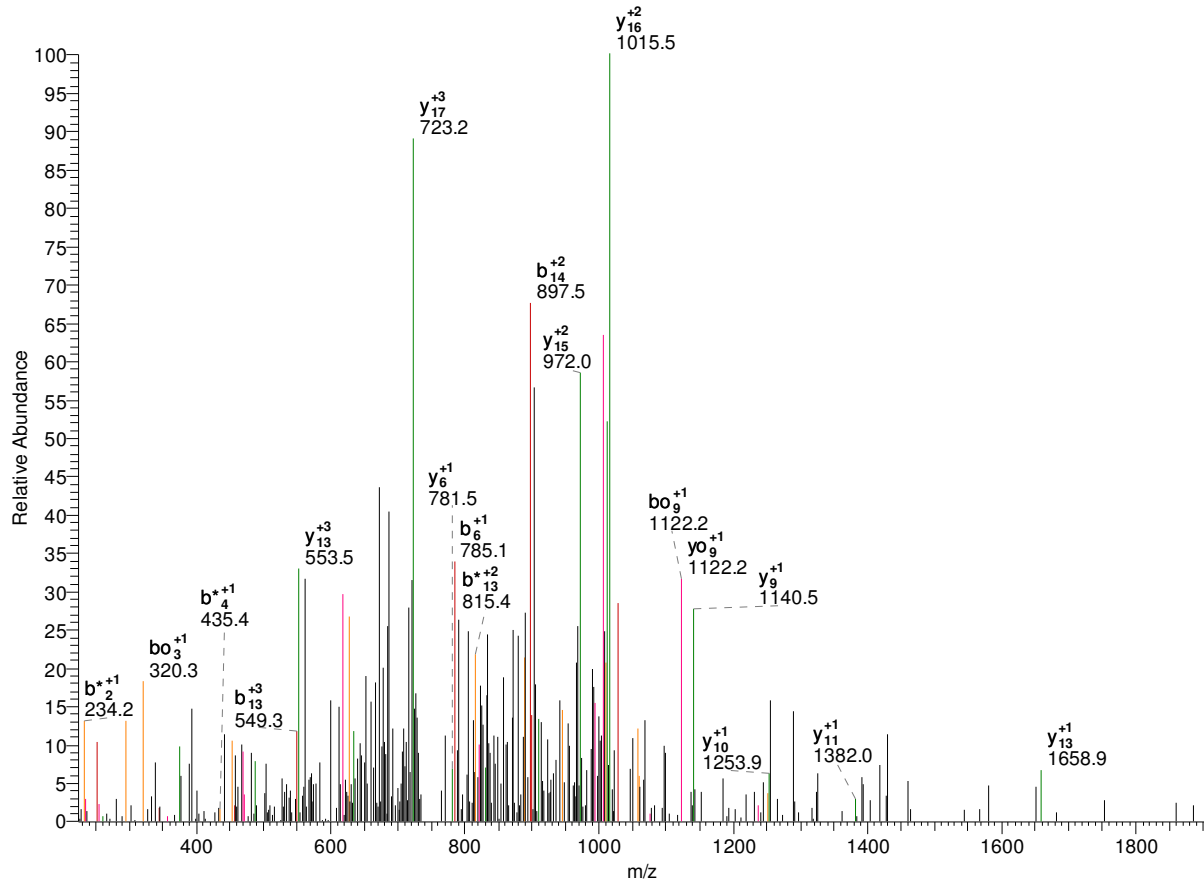
-

2280.20

K.LHSNK*YNKLETEFFILNK.T

psu|PF10_0067 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL10: 280 – 298

#6357-6357 NL: 6.58E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	18
2	H	251.15	234.12	233.14	2167.12	2150.09	2149.11	17
3	S	338.18	321.16	320.17	2030.06	2013.03	2012.05	16
4	N	452.23	435.20	434.21	1943.03	1926.00	1925.02	15
5	K*	622.33	605.30	604.32	1828.98	1811.96	1810.97	14
6	Y	785.39	768.37	767.38	1658.88	1641.85	1640.87	13
7	N	899.44	882.41	881.43	1495.82	1478.79	1477.80	12
8	K	1027.53	1010.51	1009.52	1381.77	1364.75	1363.76	11
9	L	1140.62	1123.59	1122.61	1253.68	1236.65	1235.67	10
10	E	1269.66	1252.63	1251.65	1140.59	1123.57	1122.58	9
11	T	1370.71	1353.68	1352.70	1011.55	994.52	993.54	8
12	E	1499.75	1482.72	1481.74	910.50	893.48	892.49	7
13	F	1646.82	1629.79	1628.81	781.46	764.43	763.45	6
14	F	1793.89	1776.86	1775.88	634.39	617.37	616.38	5
15	I	1906.97	1889.94	1888.96	487.32	470.30	469.31	4
16	L	2020.05	2003.03	2002.04	374.24	357.21	356.23	3
17	N	2134.10	2117.07	2116.09	261.16	244.13	243.15	2

18	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	18
2	H	126.08	117.57	117.07	1084.06	1075.55	1075.06	17
3	S	169.59	161.08	160.59	1015.53	1007.02	1006.53	16
4	N	226.62	218.10	217.61	972.02	963.50	963.01	15
5	K*	311.67	303.16	302.66	915.00	906.48	905.99	14
6	Y	393.20	384.69	384.20	829.94	821.43	820.94	13
7	N	450.22	441.71	441.22	748.41	739.90	739.41	12
8	K	514.27	505.76	505.26	691.39	682.88	682.38	11
9	L	570.81	562.30	561.81	627.34	618.83	618.34	10
10	E	635.33	626.82	626.33	570.80	562.29	561.80	9
11	T	685.86	677.34	676.85	506.28	497.77	497.27	8
12	E	750.38	741.86	741.37	455.76	447.24	446.75	7
13	F	823.91	815.40	814.91	391.23	382.72	382.23	6
14	F	897.45	888.93	888.44	317.70	309.19	308.69	5
15	I	953.99	945.48	944.98	244.17	235.65	235.16	4
16	L	1010.53	1002.02	1001.53	187.62	179.11	178.62	3
17	N	1067.55	1059.04	1058.55	131.08	122.57	122.08	2
18	K	-	-	-	74.06	65.55	65.05	1

-

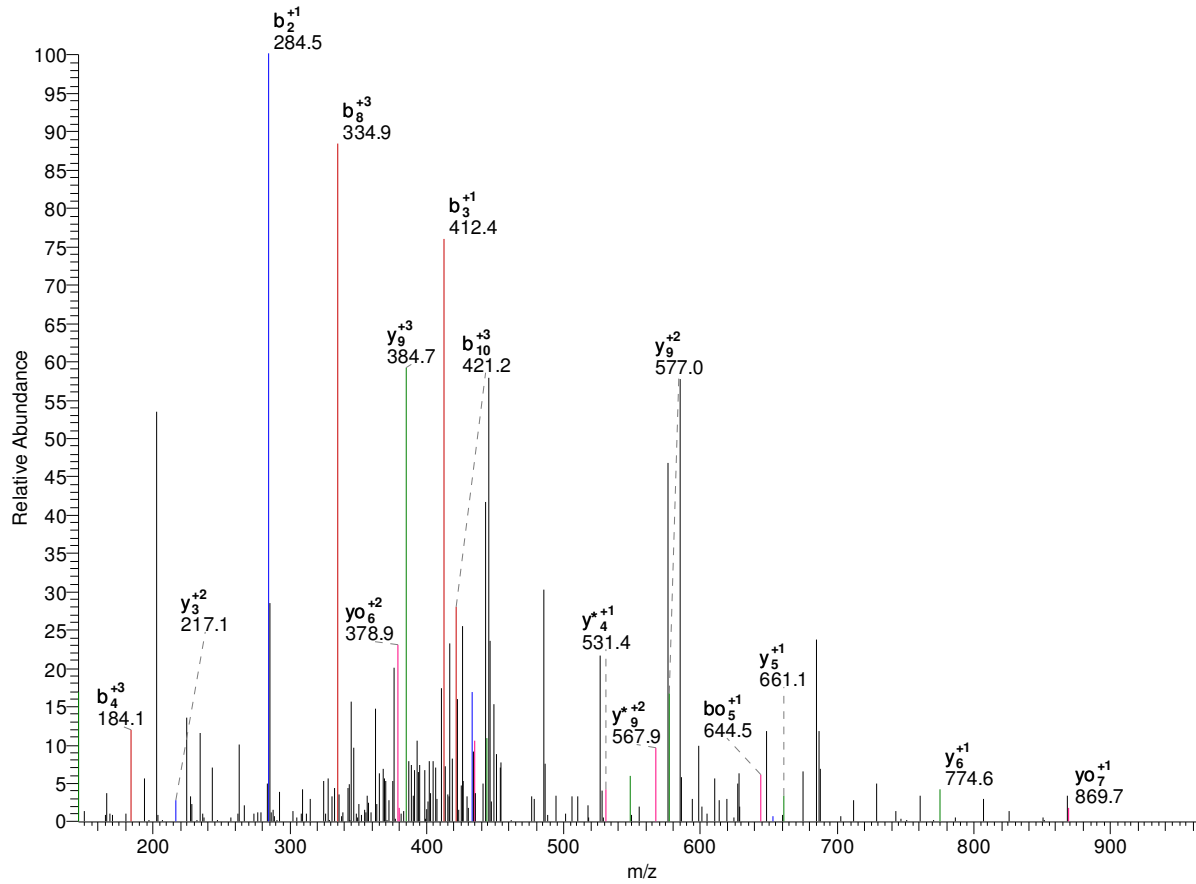
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	18
2	H	84.39	78.71	78.38	723.04	717.37	717.04	17
3	S	113.40	107.72	107.40	677.36	671.68	671.35	16
4	N	151.41	145.74	145.41	648.35	642.67	642.34	15
5	K*	208.12	202.44	202.11	610.33	604.66	604.33	14
6	Y	262.47	256.79	256.47	553.63	547.96	547.63	13
7	N	300.48	294.81	294.48	499.28	493.60	493.27	12
8	K	343.18	337.51	337.18	461.26	455.59	455.26	11
9	L	380.88	375.20	374.87	418.56	412.89	412.56	10
10	E	423.89	418.22	417.89	380.87	375.19	374.87	9
11	T	457.57	451.90	451.57	337.86	332.18	331.85	8
12	E	500.59	494.91	494.58	304.17	298.50	298.17	7
13	F	549.61	543.94	543.61	261.16	255.48	255.15	6
14	F	598.63	592.96	592.63	212.14	206.46	206.13	5
15	I	636.33	630.65	630.32	163.11	157.44	157.11	4
16	L	674.02	668.35	668.02	125.42	119.74	119.41	3
17	N	712.04	706.36	706.03	87.72	82.05	81.72	2
18	K	-	-	-	49.71	44.03	43.71	1

-

1435.88 K.LK*KHILIDM#IR.N

psu|MAL8P1.101 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | loc 504 – 515

#1361-1361 NL: 9.60E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	11
2	K*	284.20	267.17	266.19	1322.80	1305.77	1304.79	10
3	K	412.29	395.27	394.28	1152.69	1135.67	1134.68	9
4	H	549.35	532.32	531.34	1024.60	1007.57	1006.59	8
5	I	662.43	645.41	644.42	887.54	870.51	869.53	7
6	L	775.52	758.49	757.51	774.45	757.43	756.44	6
7	I	888.60	871.58	870.59	661.37	644.34	643.36	5
8	D	1003.63	986.60	985.62	548.29	531.26	530.28	4
9	M#	1148.69	1131.66	1130.68	433.26	416.23	415.25	3
10	I	1261.77	1244.74	1243.76	288.20	271.18	270.19	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	11

2	K*	142.60	134.09	133.60	661.90	653.39	652.90	10
3	K	206.65	198.14	197.64	576.85	568.34	567.84	9
4	H	275.18	266.67	266.17	512.80	504.29	503.80	8
5	I	331.72	323.21	322.72	444.27	435.76	435.27	7
6	L	388.26	379.75	379.26	387.73	379.22	378.73	6
7	I	444.81	436.29	435.80	331.19	322.68	322.18	5
8	D	502.32	493.81	493.31	274.65	266.13	265.64	4
9	M#	574.85	566.33	565.84	217.13	208.62	208.13	3
10	I	631.39	622.88	622.38	144.61	136.09	135.60	2
11	R	-	-	-	88.06	79.55	79.06	1

-

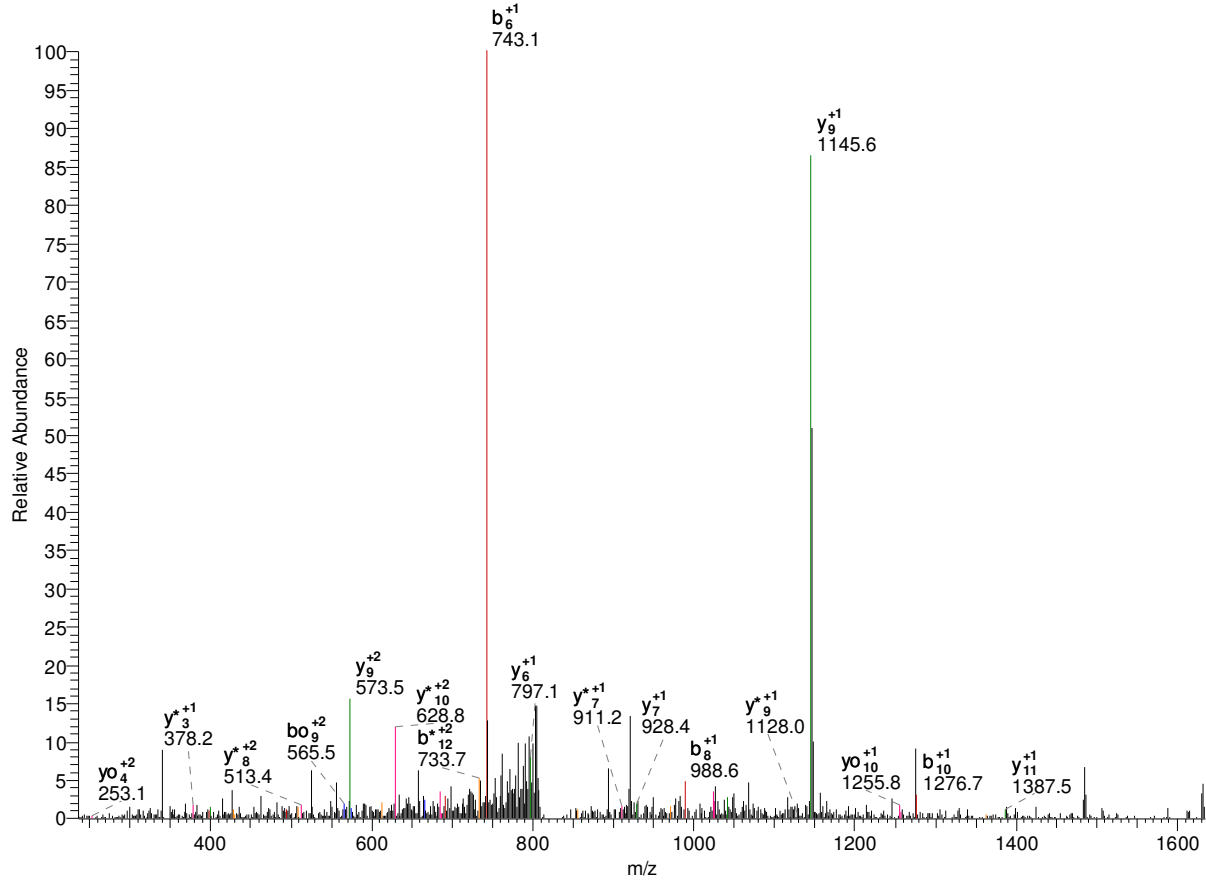
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	11
2	K*	95.40	89.73	89.40	441.60	435.93	435.60	10
3	K	138.10	132.43	132.10	384.90	379.23	378.90	9
4	H	183.79	178.11	177.78	342.20	336.53	336.20	8
5	I	221.48	215.81	215.48	296.52	290.84	290.51	7
6	L	259.18	253.50	253.17	258.82	253.15	252.82	6
7	I	296.87	291.20	290.87	221.13	215.45	215.12	5
8	D	335.21	329.54	329.21	183.43	177.76	177.43	4
9	M#	383.57	377.89	377.56	145.09	139.42	139.09	3
10	I	421.26	415.59	415.26	96.74	91.06	90.74	2
11	R	-	-	-	59.04	53.37	53.04	1

-

1670.73 K.LK*NKCNMNC@KCKK*.D

psu|MAL13P1.38 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | loc 728 – 741

#3485-3485 NL: 9.20E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	13
2	K*	284.20	267.17	266.19	1557.65	1540.62	1539.64	12
3	N	398.24	381.21	380.23	1387.54	1370.51	1369.53	11
4	K	526.33	509.31	508.32	1273.50	1256.47	1255.49	10
5	C	629.34	612.32	611.33	1145.40	1128.38	1127.39	9
6	N	743.39	726.36	725.38	1042.39	1025.37	1024.38	8
7	M	874.43	857.40	856.42	928.35	911.32	910.34	7
8	N	988.47	971.44	970.46	797.31	780.28	779.30	6
9	C@	1148.50	1131.47	1130.49	683.27	666.24	665.26	5
10	K	1276.60	1259.57	1258.59	523.24	506.21	505.23	4
11	C	1379.61	1362.58	1361.59	395.14	378.12	377.13	3
12	C	1482.61	1465.59	1464.60	292.13	275.11	274.12	2
13	K*	-	-	-	189.12	172.10	171.11	1

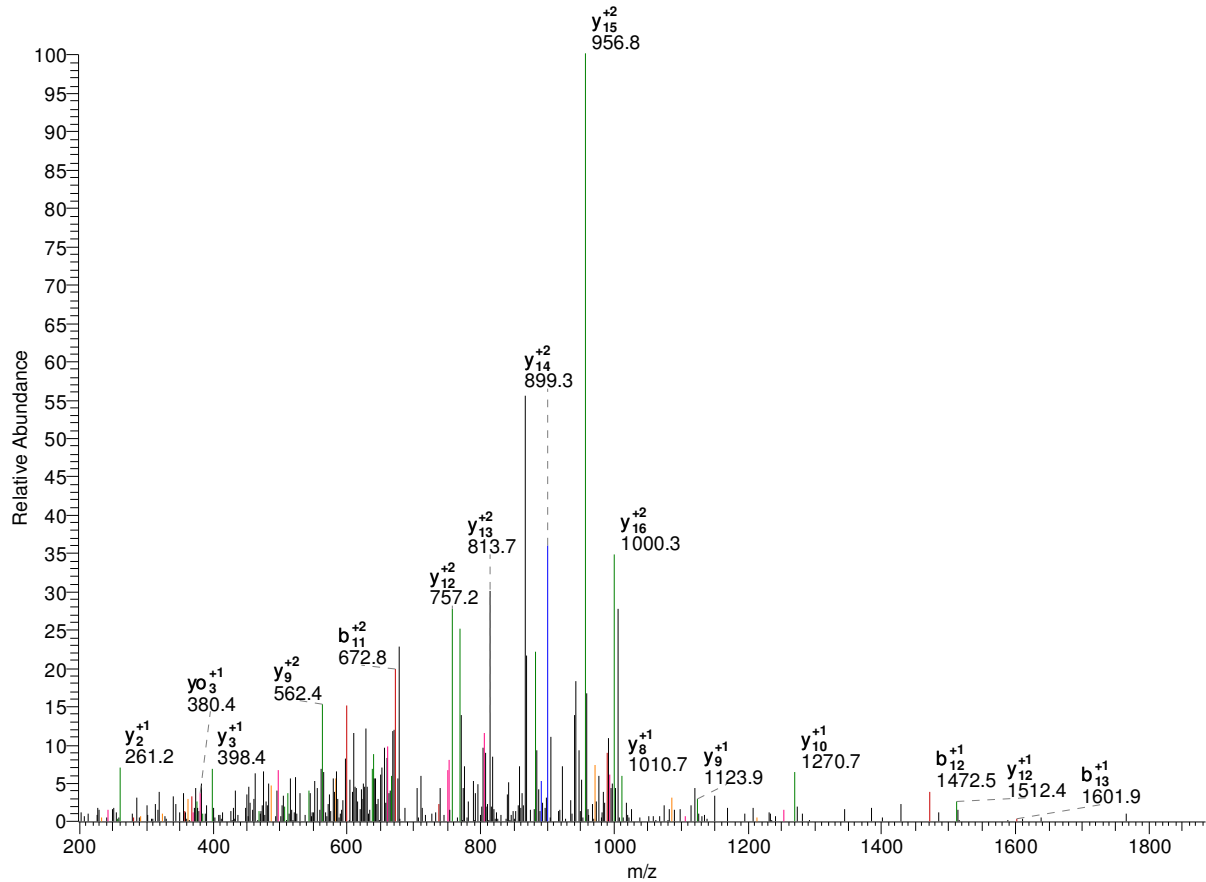
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	13
2	K*	142.60	134.09	133.60	779.33	770.81	770.32	12
3	N	199.62	191.11	190.62	694.27	685.76	685.27	11
4	K	263.67	255.16	254.67	637.25	628.74	628.25	10
5	C	315.18	306.66	306.17	573.21	564.69	564.20	9
6	N	372.20	363.68	363.19	521.70	513.19	512.70	8
7	M	437.72	429.20	428.71	464.68	456.17	455.67	7
8	N	494.74	486.23	485.73	399.16	390.65	390.15	6
9	C@	574.75	566.24	565.75	342.14	333.62	333.13	5
10	K	638.80	630.29	629.80	262.12	253.61	253.12	4
11	C	690.31	681.79	681.30	198.07	189.56	189.07	3
12	C	741.81	733.30	732.81	146.57	138.06	137.56	2
13	K*	-	-	-	95.07	86.55	86.06	1

-

2112.10 K.LSDK*NLEFLQIEELHNK.E

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 393 – 410

#5534-5534 NL: 1.43E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	17
2	S	201.12	184.10	183.11	1999.01	1981.99	1981.00	16
3	D	316.15	299.12	298.14	1911.98	1894.95	1893.97	15
4	K*	486.26	469.23	468.25	1796.95	1779.93	1778.94	14
5	N	600.30	583.27	582.29	1626.85	1609.82	1608.84	13
6	L	713.38	696.36	695.37	1512.81	1495.78	1494.80	12
7	E	842.43	825.40	824.41	1399.72	1382.70	1381.71	11
8	F	989.49	972.47	971.48	1270.68	1253.65	1252.67	10
9	L	1102.58	1085.55	1084.57	1123.61	1106.58	1105.60	9
10	Q	1230.64	1213.61	1212.63	1010.53	993.50	992.52	8
11	I	1343.72	1326.69	1325.71	882.47	865.44	864.46	7
12	E	1472.76	1455.74	1454.75	769.38	752.36	751.37	6
13	E	1601.81	1584.78	1583.80	640.34	623.31	622.33	5
14	L	1714.89	1697.86	1696.88	511.30	494.27	493.29	4
15	H	1851.95	1834.92	1833.94	398.21	381.19	380.20	3
16	N	1965.99	1948.97	1947.98	261.16	244.13	243.15	2

17	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	17
2	S	101.07	92.55	92.06	1000.01	991.50	991.00	16
3	D	158.58	150.07	149.57	956.49	947.98	947.49	15
4	K*	243.63	235.12	234.63	898.98	890.47	889.98	14
5	N	300.65	292.14	291.65	813.93	805.41	804.92	13
6	L	357.20	348.68	348.19	756.91	748.39	747.90	12
7	E	421.72	413.20	412.71	700.36	691.85	691.36	11
8	F	495.25	486.74	486.25	635.84	627.33	626.84	10
9	L	551.79	543.28	542.79	562.31	553.80	553.30	9
10	Q	615.82	607.31	606.82	505.77	497.25	496.76	8
11	I	672.36	663.85	663.36	441.74	433.22	432.73	7
12	E	736.89	728.37	727.88	385.20	376.68	376.19	6
13	E	801.41	792.89	792.40	320.67	312.16	311.67	5
14	L	857.95	849.44	848.94	256.15	247.64	247.15	4
15	H	926.48	917.96	917.47	199.61	191.10	190.61	3
16	N	983.50	974.99	974.49	131.08	122.57	122.08	2
17	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	17
2	S	67.71	62.04	61.71	667.01	661.33	661.01	16
3	D	106.05	100.38	100.05	638.00	632.32	632.00	15
4	K*	162.76	157.08	156.75	599.66	593.98	593.65	14
5	N	200.77	195.10	194.77	542.95	537.28	536.95	13
6	L	238.47	232.79	232.46	504.94	499.26	498.94	12
7	E	281.48	275.80	275.48	467.25	461.57	461.24	11
8	F	330.50	324.83	324.50	424.23	418.56	418.23	10
9	L	368.20	362.52	362.19	375.21	369.53	369.20	9
10	Q	410.88	405.21	404.88	337.51	331.84	331.51	8
11	I	448.58	442.90	442.57	294.83	289.15	288.82	7
12	E	491.59	485.92	485.59	257.13	251.46	251.13	6
13	E	534.61	528.93	528.60	214.12	208.44	208.12	5
14	L	572.30	566.63	566.30	171.10	165.43	165.10	4
15	H	617.99	612.31	611.98	133.41	127.73	127.41	3
16	N	656.00	650.33	650.00	87.72	82.05	81.72	2
17	K	-	-	-	49.71	44.03	43.71	1

-

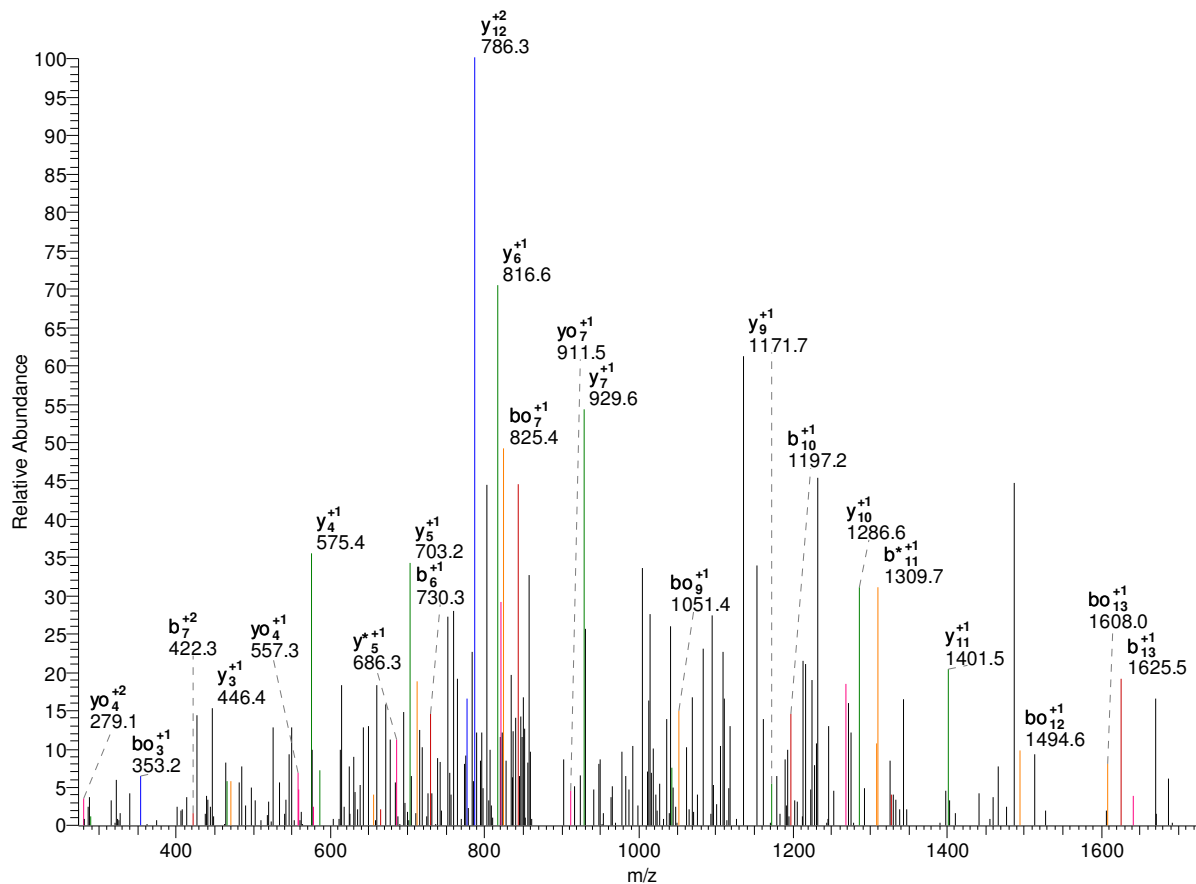
1	L	57.55	49.04	48.54	-	-	-	12
2	S	101.07	92.55	92.06	744.88	736.37	735.88	11
3	F	174.60	166.09	165.59	701.37	692.85	692.36	10
4	E	239.12	230.61	230.12	627.83	619.32	618.83	9
5	K*	324.17	315.66	315.17	563.31	554.80	554.30	8
6	Y	405.71	397.19	396.70	478.26	469.74	469.25	7
7	Y	487.24	478.72	478.23	396.73	388.21	387.72	6
8	P	535.76	527.25	526.76	315.19	306.68	306.19	5
9	L	592.31	583.79	583.30	266.67	258.15	257.66	4
10	M	657.83	649.31	648.82	210.13	201.61	201.12	3
11	I	714.37	705.85	705.36	144.61	136.09	135.60	2
12	R	-	-	-	88.06	79.55	79.06	1

-

1771.95 K.LSK*DDELLLQEWLK.T

psu|MAL13P1.56 | organism=Plasmodium_falciparum_3D7 | product=m1-family
 aminopeptidase | location=M 951 – 965

#8265-8265 NL: 4.39E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	14
2	S	201.12	184.10	183.11	1658.86	1641.84	1640.85	13
3	K*	371.23	354.20	353.22	1571.83	1554.81	1553.82	12
4	D	486.26	469.23	468.25	1401.73	1384.70	1383.72	11
5	D	601.28	584.26	583.27	1286.70	1269.67	1268.69	10
6	E	730.33	713.30	712.31	1171.67	1154.65	1153.66	9
7	L	843.41	826.38	825.40	1042.63	1025.60	1024.62	8
8	L	956.49	939.47	938.48	929.55	912.52	911.53	7
9	L	1069.58	1052.55	1051.57	816.46	799.43	798.45	6
10	Q	1197.64	1180.61	1179.63	703.38	686.35	685.37	5
11	E	1326.68	1309.65	1308.67	575.32	558.29	557.31	4
12	W	1512.76	1495.73	1494.75	446.28	429.25	428.27	3
13	L	1625.84	1608.82	1607.83	260.20	243.17	242.19	2
14	K	-	-	-	147.11	130.09	129.10	1

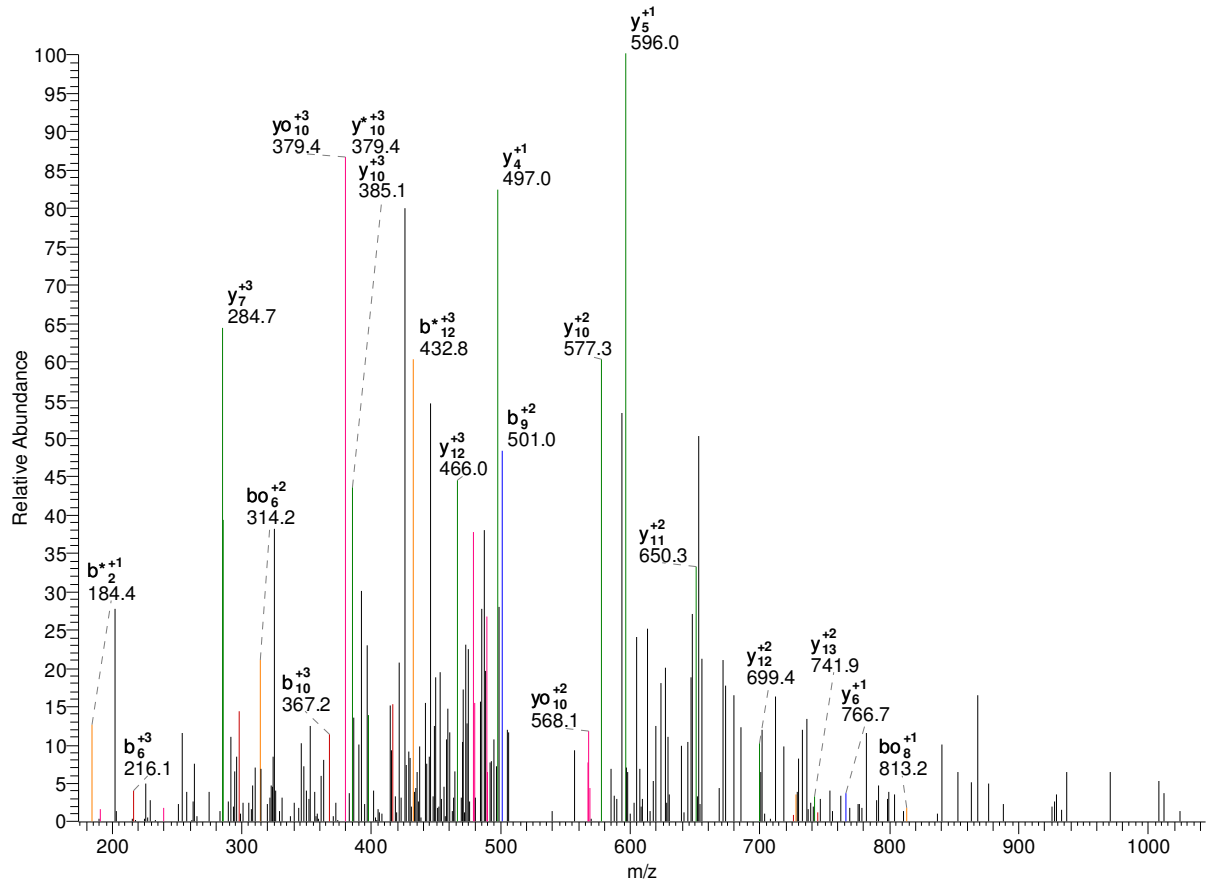
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	14
2	S	101.07	92.55	92.06	829.94	821.42	820.93	13
3	K*	186.12	177.60	177.11	786.42	777.91	777.41	12
4	D	243.63	235.12	234.63	701.37	692.85	692.36	11
5	D	301.15	292.63	292.14	643.85	635.34	634.85	10
6	E	365.67	357.15	356.66	586.34	577.83	577.33	9
7	L	422.21	413.70	413.20	521.82	513.31	512.81	8
8	L	478.75	470.24	469.75	465.28	456.76	456.27	7
9	L	535.29	526.78	526.29	408.73	400.22	399.73	6
10	Q	599.32	590.81	590.32	352.19	343.68	343.19	5
11	E	663.84	655.33	654.84	288.16	279.65	279.16	4
12	W	756.88	748.37	747.88	223.64	215.13	214.64	3
13	L	813.42	804.91	804.42	130.60	122.09	121.60	2
14	K	-	-	-	74.06	65.55	65.05	1

1596.91

K.LSPFSLVSK*VVNHK.L

psu|PFB0560w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL2:50 3579 – 3593

#1970-1970 NL: 5.30E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	14
2	S	201.12	184.10	183.11	1483.83	1466.80	1465.82	13
3	P	298.18	281.15	280.17	1396.79	1379.77	1378.78	12
4	F	445.24	428.22	427.23	1299.74	1282.72	1281.73	11
5	S	532.28	515.25	514.27	1152.67	1135.65	1134.66	10
6	L	645.36	628.33	627.35	1065.64	1048.61	1047.63	9
7	V	744.43	727.40	726.42	952.56	935.53	934.55	8
8	S	831.46	814.43	813.45	853.49	836.46	835.48	7
9	K*	1001.57	984.54	983.56	766.46	749.43	748.45	6
10	V	1100.64	1083.61	1082.62	596.35	579.32	578.34	5
11	V	1199.70	1182.68	1181.69	497.28	480.26	479.27	4
12	N	1313.75	1296.72	1295.74	398.21	381.19	380.20	3
13	H	1450.81	1433.78	1432.79	284.17	267.15	266.16	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	14
2	S	101.07	92.55	92.06	742.42	733.90	733.41	13
3	P	149.59	141.08	140.59	698.90	690.39	689.90	12
4	F	223.13	214.61	214.12	650.37	641.86	641.37	11
5	S	266.64	258.13	257.64	576.84	568.33	567.84	10
6	L	323.18	314.67	314.18	533.32	524.81	524.32	9
7	V	372.72	364.20	363.71	476.78	468.27	467.78	8
8	S	416.23	407.72	407.23	427.25	418.73	418.24	7
9	K*	501.29	492.77	492.28	383.73	375.22	374.73	6
10	V	550.82	542.31	541.82	298.68	290.17	289.67	5
11	V	600.36	591.84	591.35	249.15	240.63	240.14	4
12	N	657.38	648.86	648.37	199.61	191.10	190.61	3
13	H	725.91	717.39	716.90	142.59	134.08	133.58	2
14	K	-	-	-	74.06	65.55	65.05	1

-

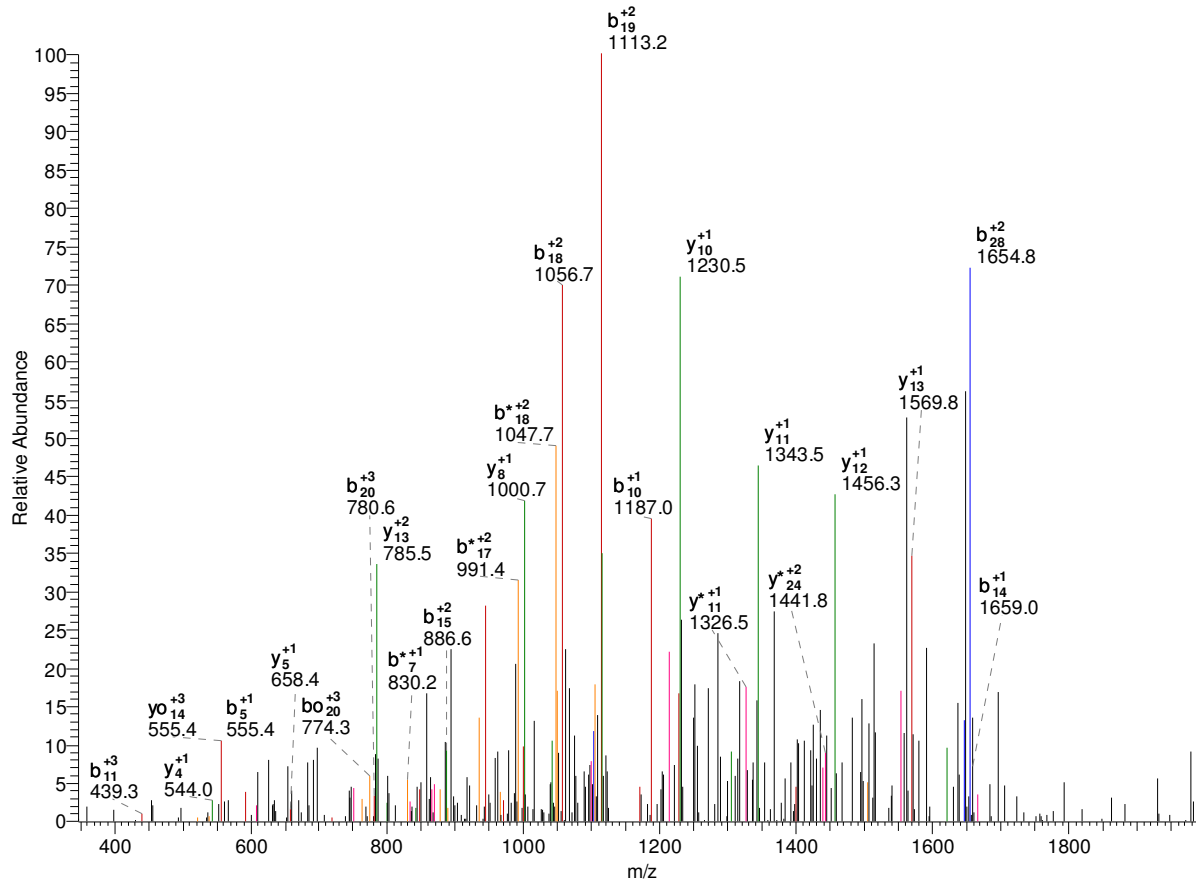
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	14
2	S	67.71	62.04	61.71	495.28	489.60	489.28	13
3	P	100.06	94.39	94.06	466.27	460.59	460.27	12
4	F	149.09	143.41	143.08	433.92	428.24	427.92	11
5	S	178.10	172.42	172.09	384.90	379.22	378.89	10
6	L	215.79	210.12	209.79	355.89	350.21	349.88	9
7	V	248.81	243.14	242.81	318.19	312.52	312.19	8
8	S	277.83	272.15	271.82	285.17	279.49	279.16	7
9	K*	334.53	328.85	328.52	256.16	250.48	250.15	6
10	V	367.55	361.87	361.55	199.46	193.78	193.45	5
11	V	400.57	394.90	394.57	166.43	160.76	160.43	4
12	N	438.59	432.91	432.58	133.41	127.73	127.41	3
13	H	484.27	478.60	478.27	95.40	89.72	89.39	2
14	K	-	-	-	49.71	44.03	43.71	1

-

3454.77 K.LTNLLYEPNKEIDDNLLLLDDNNNNNIK*K.C

psu|PFE0270c | organism=Plasmodium_falciparum_3D7 | product=DNA repair protein, putative | location 280 – 309

#7921-7921 NL: 5.99E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	29
2	T	215.14	198.11	197.13	3341.69	3324.66	3323.68	28
3	N	329.18	312.16	311.17	3240.64	3223.61	3222.63	27
4	L	442.27	425.24	424.26	3126.60	3109.57	3108.58	26
5	L	555.35	538.32	537.34	3013.51	2996.48	2995.50	25
6	Y	718.41	701.39	700.40	2900.43	2883.40	2882.42	24
7	E	847.46	830.43	829.45	2737.36	2720.34	2719.35	23
8	P	944.51	927.48	926.50	2608.32	2591.29	2590.31	22
9	N	1058.55	1041.53	1040.54	2511.27	2494.24	2493.26	21
10	K	1186.65	1169.62	1168.64	2397.23	2380.20	2379.22	20
11	E	1315.69	1298.66	1297.68	2269.13	2252.10	2251.12	19
12	I	1428.77	1411.75	1410.76	2140.09	2123.06	2122.08	18
13	D	1543.80	1526.77	1525.79	2027.00	2009.98	2008.99	17
14	D	1658.83	1641.80	1640.82	1911.98	1894.95	1893.97	16
15	N	1772.87	1755.84	1754.86	1796.95	1779.92	1778.94	15
16	L	1885.95	1868.93	1867.94	1682.91	1665.88	1664.90	14
17	L	1999.04	1982.01	1981.03	1569.82	1552.80	1551.81	13
18	L	2112.12	2095.10	2094.11	1456.74	1439.71	1438.73	12

19	L	2225.21	2208.18	2207.20	1343.65	1326.63	1325.64	11
20	D	2340.23	2323.21	2322.22	1230.57	1213.54	1212.56	10
21	D	2455.26	2438.23	2437.25	1115.54	1098.52	1097.53	9
22	N	2569.30	2552.28	2551.29	1000.52	983.49	982.51	8
23	N	2683.35	2666.32	2665.34	886.47	869.45	868.46	7
24	N	2797.39	2780.36	2779.38	772.43	755.40	754.42	6
25	N	2911.43	2894.41	2893.42	658.39	641.36	640.38	5
26	N	3025.47	3008.45	3007.46	544.35	527.32	526.33	4
27	I	3138.56	3121.53	3120.55	430.30	413.28	412.29	3
28	K*	3308.66	3291.64	3290.65	317.22	300.19	299.21	2
29	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	29
2	T	108.07	99.56	99.07	1671.35	1662.83	1662.34	28
3	N	165.09	156.58	156.09	1620.82	1612.31	1611.82	27
4	L	221.64	213.12	212.63	1563.80	1555.29	1554.80	26
5	L	278.18	269.67	269.17	1507.26	1498.75	1498.25	25
6	Y	359.71	351.20	350.71	1450.72	1442.20	1441.71	24
7	E	424.23	415.72	415.23	1369.19	1360.67	1360.18	23
8	P	472.76	464.24	463.75	1304.66	1296.15	1295.66	22
9	N	529.78	521.27	520.77	1256.14	1247.62	1247.13	21
10	K	593.83	585.31	584.82	1199.12	1190.60	1190.11	20
11	E	658.35	649.83	649.34	1135.07	1126.56	1126.06	19
12	I	714.89	706.38	705.89	1070.55	1062.03	1061.54	18
13	D	772.40	763.89	763.40	1014.01	1005.49	1005.00	17
14	D	829.92	821.40	820.91	956.49	947.98	947.49	16
15	N	886.94	878.43	877.93	898.98	890.47	889.97	15
16	L	943.48	934.97	934.48	841.96	833.44	832.95	14
17	L	1000.02	991.51	991.02	785.42	776.90	776.41	13
18	L	1056.56	1048.05	1047.56	728.87	720.36	719.87	12
19	L	1113.11	1104.59	1104.10	672.33	663.82	663.33	11
20	D	1170.62	1162.11	1161.62	615.79	607.28	606.78	10
21	D	1228.13	1219.62	1219.13	558.28	549.76	549.27	9
22	N	1285.16	1276.64	1276.15	500.76	492.25	491.76	8
23	N	1342.18	1333.66	1333.17	443.74	435.23	434.74	7
24	N	1399.20	1390.68	1390.19	386.72	378.21	377.71	6
25	N	1456.22	1447.71	1447.21	329.70	321.18	320.69	5
26	N	1513.24	1504.73	1504.24	272.68	264.16	263.67	4
27	I	1569.78	1561.27	1560.78	215.65	207.14	206.65	3
28	K*	1654.84	1646.32	1645.83	159.11	150.60	150.11	2
29	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	L	38.70	33.03	32.70	-	-	-	29
2	T	72.38	66.71	66.38	1114.57	1108.89	1108.56	28
3	N	110.40	104.72	104.40	1080.88	1075.21	1074.88	27
4	L	148.09	142.42	142.09	1042.87	1037.19	1036.87	26
5	L	185.79	180.11	179.78	1005.18	999.50	999.17	25
6	Y	240.14	234.47	234.14	967.48	961.81	961.48	24
7	E	283.16	277.48	277.15	913.13	907.45	907.12	23
8	P	315.51	309.83	309.50	870.11	864.44	864.11	22
9	N	353.52	347.85	347.52	837.76	832.09	831.76	21
10	K	396.22	390.54	390.22	799.75	794.07	793.74	20

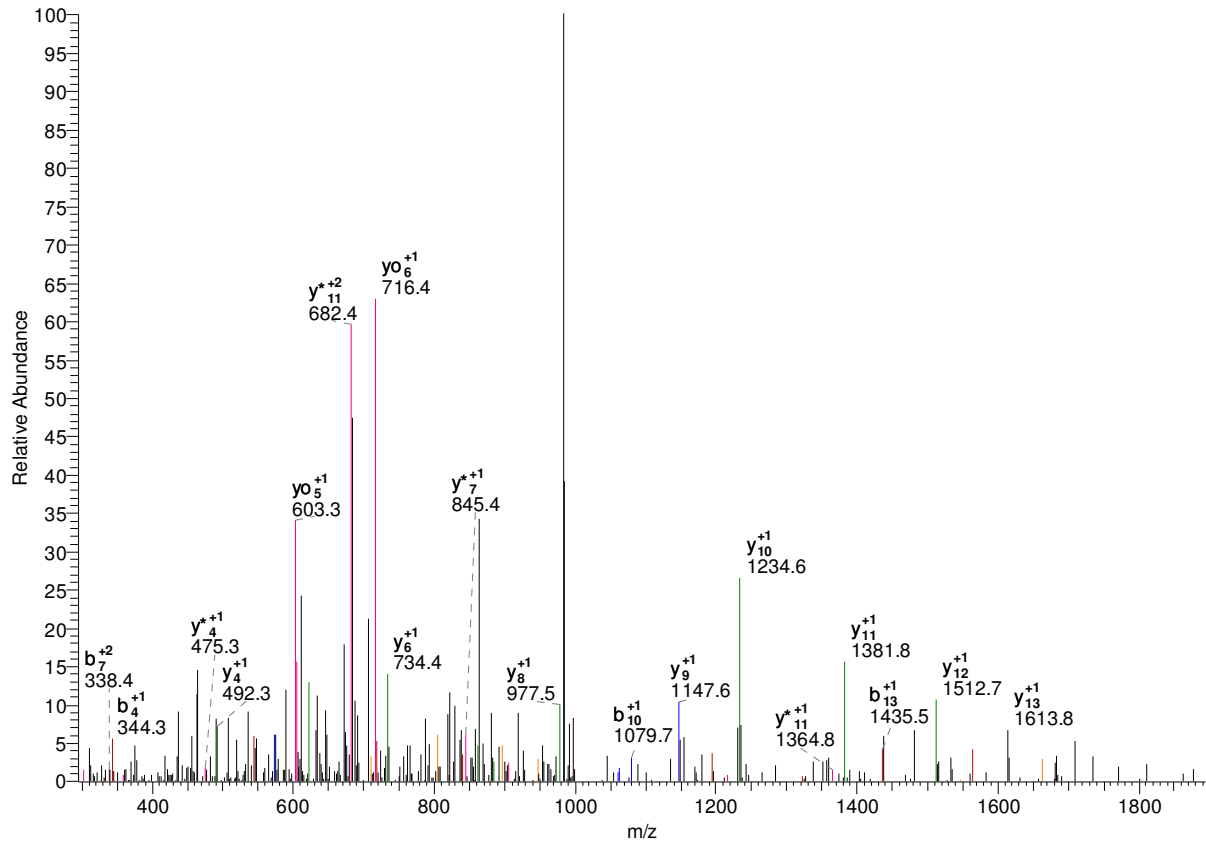
11	E	439.23	433.56	433.23	757.05	751.37	751.04	19
12	I	476.93	471.25	470.93	714.03	708.36	708.03	18
13	D	515.27	509.60	509.27	676.34	670.66	670.34	17
14	D	553.61	547.94	547.61	638.00	632.32	631.99	16
15	N	591.63	585.95	585.62	599.65	593.98	593.65	15
16	L	629.32	623.65	623.32	561.64	555.97	555.64	14
17	L	667.02	661.34	661.01	523.95	518.27	517.94	13
18	L	704.71	699.04	698.71	486.25	480.58	480.25	12
19	L	742.41	736.73	736.40	448.56	442.88	442.55	11
20	D	780.75	775.07	774.75	410.86	405.19	404.86	10
21	D	819.09	813.42	813.09	372.52	366.84	366.52	9
22	N	857.11	851.43	851.10	334.18	328.50	328.17	8
23	N	895.12	889.44	889.12	296.16	290.49	290.16	7
24	N	933.13	927.46	927.13	258.15	252.47	252.15	6
25	N	971.15	965.47	965.15	220.13	214.46	214.13	5
26	N	1009.16	1003.49	1003.16	182.12	176.44	176.12	4
27	I	1046.86	1041.18	1040.85	144.11	138.43	138.10	3
28	K*	1103.56	1097.88	1097.56	106.41	100.74	100.41	2
29	K	-	-	-	49.71	44.03	43.71	1

-

2055.94 K.NDGGVTMFSK*DQLEDMVK.N

psu|PF14_0344 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 892 – 910

#6223-6223 NL: 1.43E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	18
2	D	230.08	213.05	212.07	1941.89	1924.87	1923.88	17
3	G	287.10	270.07	269.09	1826.87	1809.84	1808.86	16
4	G	344.12	327.09	326.11	1769.84	1752.82	1751.83	15
5	V	443.19	426.16	425.18	1712.82	1695.80	1694.81	14
6	T	544.24	527.21	526.23	1613.75	1596.73	1595.74	13
7	M	675.28	658.25	657.27	1512.71	1495.68	1494.70	12
8	F	822.35	805.32	804.33	1381.67	1364.64	1363.66	11
9	S	909.38	892.35	891.37	1234.60	1217.57	1216.59	10
10	K*	1079.48	1062.46	1061.47	1147.57	1130.54	1129.56	9
11	D	1194.51	1177.48	1176.50	977.46	960.43	959.45	8
12	Q	1322.57	1305.54	1304.56	862.43	845.41	844.42	7
13	L	1435.65	1418.63	1417.64	734.38	717.35	716.36	6
14	E	1564.69	1547.67	1546.68	621.29	604.26	603.28	5
15	D	1679.72	1662.70	1661.71	492.25	475.22	474.24	4
16	M	1810.76	1793.74	1792.75	377.22	360.20	359.21	3
17	V	1909.83	1892.80	1891.82	246.18	229.15	228.17	2
18	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	18
2	D	115.54	107.03	106.54	971.45	962.94	962.44	17
3	G	144.05	135.54	135.05	913.94	905.42	904.93	16
4	G	172.56	164.05	163.56	885.43	876.91	876.42	15
5	V	222.10	213.58	213.09	856.92	848.40	847.91	14
6	T	272.62	264.11	263.62	807.38	798.87	798.38	13
7	M	338.14	329.63	329.14	756.86	748.34	747.85	12
8	F	411.68	403.16	402.67	691.34	682.82	682.33	11
9	S	455.19	446.68	446.19	617.80	609.29	608.80	10
10	K*	540.24	531.73	531.24	574.29	565.77	565.28	9
11	D	597.76	589.25	588.75	489.23	480.72	480.23	8
12	Q	661.79	653.27	652.78	431.72	423.21	422.72	7
13	L	718.33	709.82	709.32	367.69	359.18	358.69	6
14	E	782.85	774.34	773.85	311.15	302.64	302.14	5
15	D	840.36	831.85	831.36	246.63	238.11	237.62	4
16	M	905.88	897.37	896.88	189.11	180.60	180.11	3
17	V	955.42	946.91	946.41	123.59	115.08	114.59	2
18	K	-	-	-	74.06	65.55	65.05	1

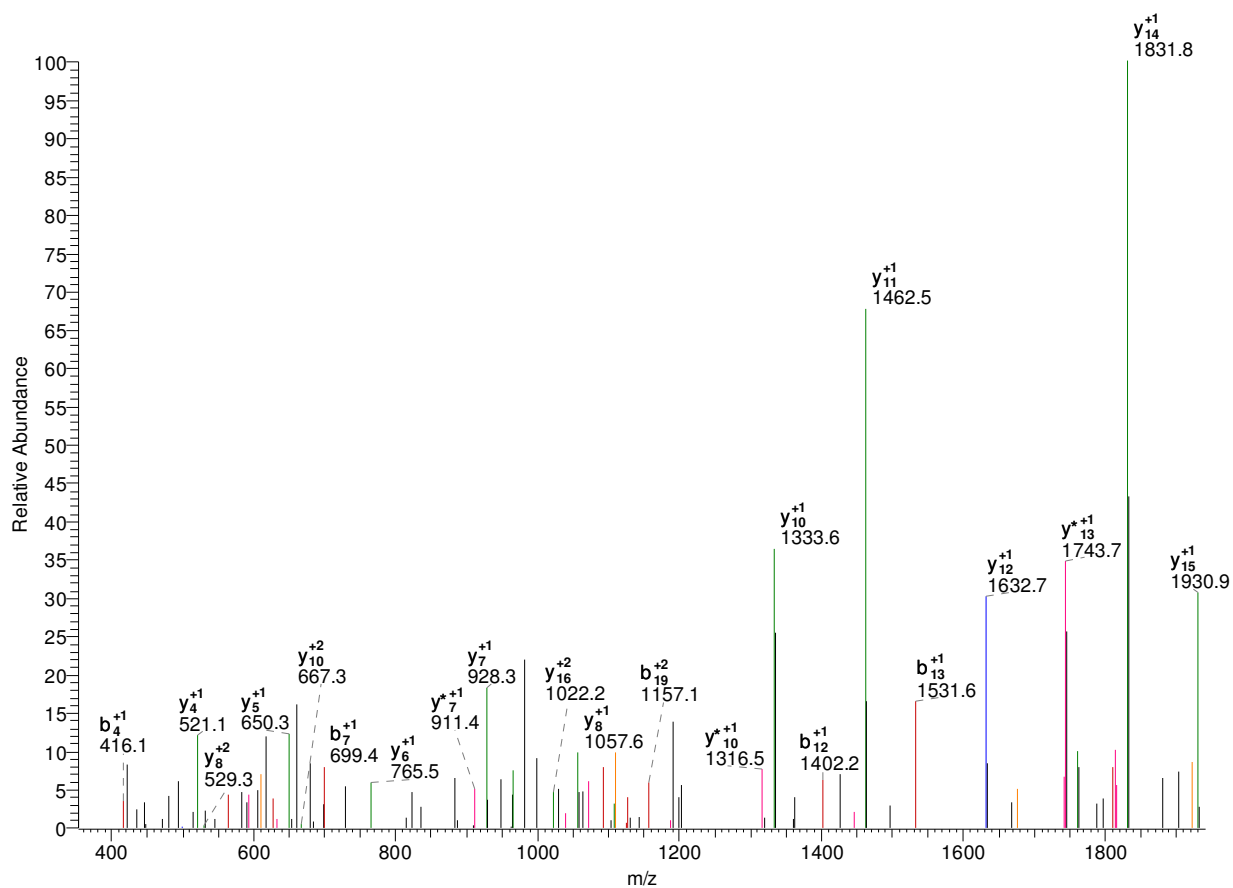
-

2459.06

K.NEGDLVAQK*EEFEYDENMEK.A

psu|PF14_0102 | organism=Plasmodium_falciparum_3D7 | product=rhoptry-associated protein 1, RAP1 | | 233 – 253

#4932-4932 NL: 4.48E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	20
2	E	244.09	227.07	226.08	2345.01	2327.99	2327.00	19
3	G	301.11	284.09	283.10	2215.97	2198.94	2197.96	18
4	D	416.14	399.11	398.13	2158.95	2141.92	2140.94	17
5	L	529.23	512.20	511.21	2043.92	2026.90	2025.91	16
6	V	628.29	611.27	610.28	1930.84	1913.81	1912.83	15
7	A	699.33	682.30	681.32	1831.77	1814.74	1813.76	14
8	Q	827.39	810.36	809.38	1760.73	1743.71	1742.72	13
9	K*	997.49	980.47	979.48	1632.67	1615.65	1614.66	12
10	E	1126.54	1109.51	1108.53	1462.57	1445.54	1444.56	11
11	E	1255.58	1238.55	1237.57	1333.53	1316.50	1315.51	10
12	F	1402.65	1385.62	1384.64	1204.48	1187.46	1186.47	9
13	E	1531.69	1514.66	1513.68	1057.41	1040.39	1039.40	8
14	Y	1694.75	1677.73	1676.74	928.37	911.35	910.36	7
15	D	1809.78	1792.75	1791.77	765.31	748.28	747.30	6
16	E	1938.82	1921.80	1920.81	650.28	633.25	632.27	5

17	N	2052.87	2035.84	2034.86	521.24	504.21	503.23	4
18	M	2183.91	2166.88	2165.90	407.20	390.17	389.19	3
19	E	2312.95	2295.92	2294.94	276.16	259.13	258.14	2
20	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	20
2	E	122.55	114.04	113.54	1173.01	1164.50	1164.00	19
3	G	151.06	142.55	142.06	1108.49	1099.98	1099.48	18
4	D	208.57	200.06	199.57	1079.98	1071.46	1070.97	17
5	L	265.12	256.60	256.11	1022.46	1013.95	1013.46	16
6	V	314.65	306.14	305.65	965.92	957.41	956.92	15
7	A	350.17	341.66	341.16	916.39	907.87	907.38	14
8	Q	414.20	405.69	405.19	880.87	872.36	871.86	13
9	K*	499.25	490.74	490.25	816.84	808.33	807.84	12
10	E	563.77	555.26	554.77	731.79	723.27	722.78	11
11	E	628.29	619.78	619.29	667.27	658.75	658.26	10
12	F	701.83	693.31	692.82	602.74	594.23	593.74	9
13	E	766.35	757.84	757.34	529.21	520.70	520.21	8
14	Y	847.88	839.37	838.88	464.69	456.18	455.68	7
15	D	905.39	896.88	896.39	383.16	374.64	374.15	6
16	E	969.92	961.40	960.91	325.64	317.13	316.64	5
17	N	1026.94	1018.42	1017.93	261.12	252.61	252.12	4
18	M	1092.46	1083.94	1083.45	204.10	195.59	195.10	3
19	E	1156.98	1148.47	1147.97	138.58	130.07	129.58	2
20	K	-	-	-	74.06	65.55	65.05	1

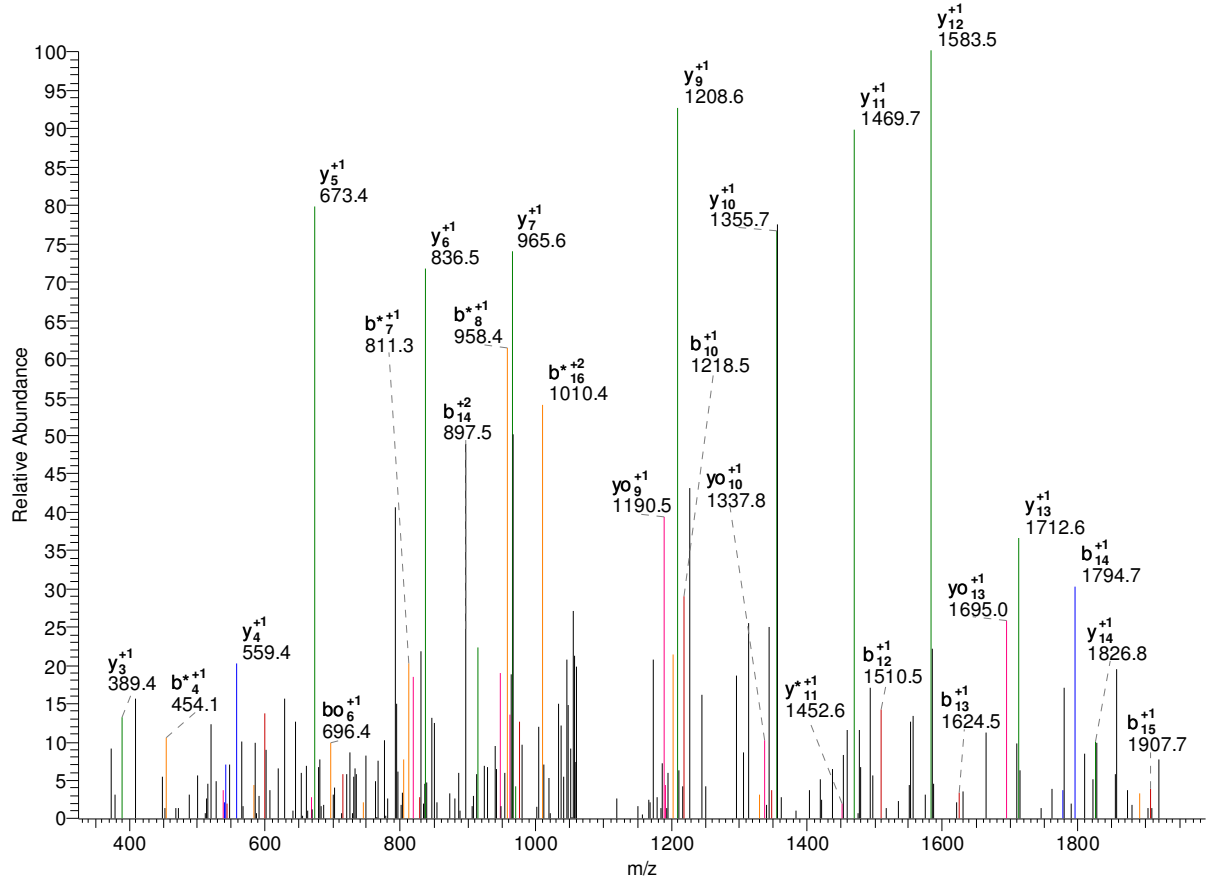
-

2182.99

K.NEINENNFNEEYNK*LEK.N

psu|PFD1015w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
conserved | locat 118 – 135

#4126-4126 NL: 3.80E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	17
2	E	244.09	227.07	226.08	2068.95	2051.92	2050.94	16
3	I	357.18	340.15	339.17	1939.90	1922.88	1921.89	15
4	N	471.22	454.19	453.21	1826.82	1809.79	1808.81	14
5	E	600.26	583.24	582.25	1712.78	1695.75	1694.77	13
6	N	714.31	697.28	696.29	1583.73	1566.71	1565.72	12
7	N	828.35	811.32	810.34	1469.69	1452.66	1451.68	11
8	F	975.42	958.39	957.41	1355.65	1338.62	1337.64	10
9	N	1089.46	1072.43	1071.45	1208.58	1191.55	1190.57	9
10	E	1218.50	1201.48	1200.49	1094.54	1077.51	1076.53	8
11	E	1347.54	1330.52	1329.53	965.49	948.47	947.48	7
12	Y	1510.61	1493.58	1492.60	836.45	819.42	818.44	6
13	N	1624.65	1607.62	1606.64	673.39	656.36	655.38	5
14	K*	1794.76	1777.73	1776.75	559.34	542.32	541.33	4
15	L	1907.84	1890.81	1889.83	389.24	372.21	371.23	3
16	E	2036.88	2019.86	2018.87	276.16	259.13	258.14	2
17	K	-	-	-	147.11	130.09	129.10	1

-

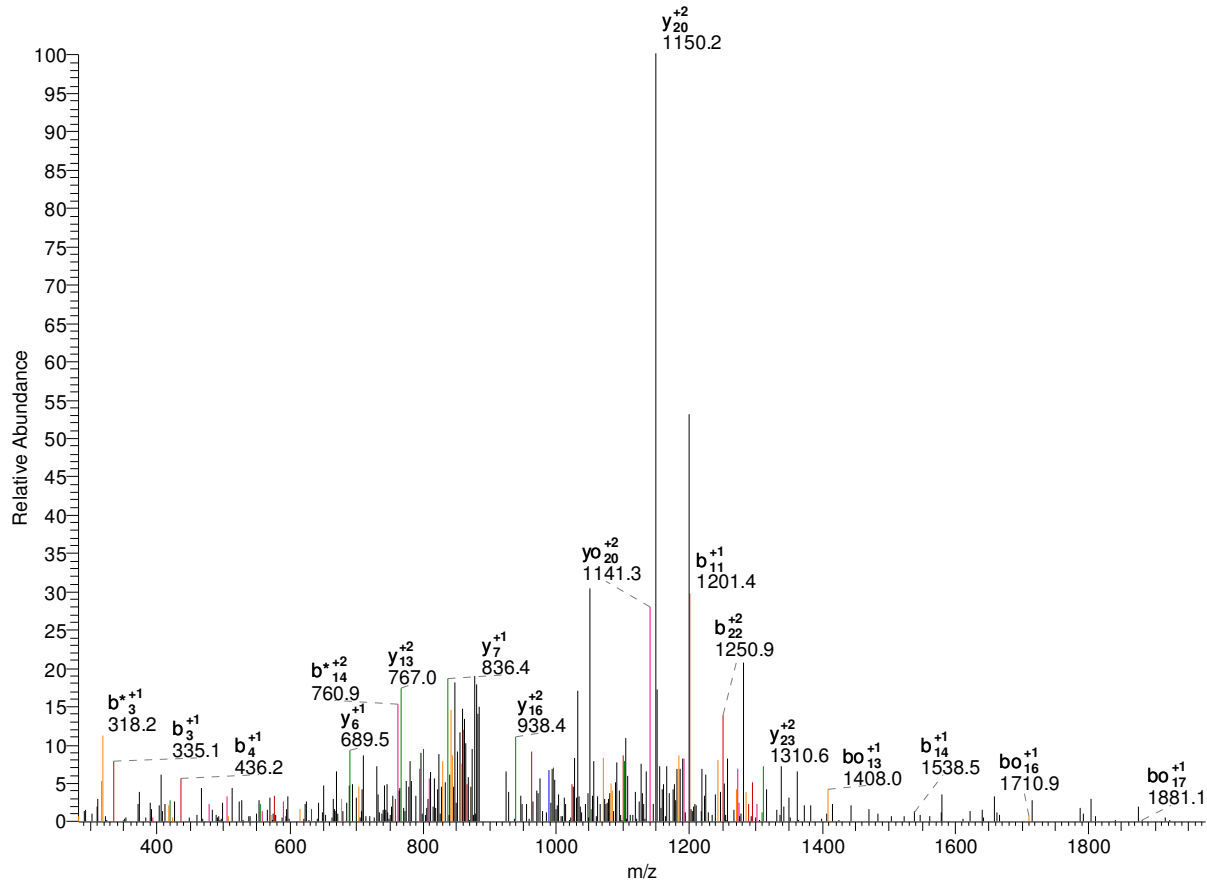
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	17
2	E	122.55	114.04	113.54	1034.98	1026.46	1025.97	16
3	I	179.09	170.58	170.09	970.46	961.94	961.45	15
4	N	236.11	227.60	227.11	913.91	905.40	904.91	14
5	E	300.63	292.12	291.63	856.89	848.38	847.89	13
6	N	357.66	349.14	348.65	792.37	783.86	783.37	12
7	N	414.68	406.16	405.67	735.35	726.84	726.34	11
8	F	488.21	479.70	479.21	678.33	669.81	669.32	10
9	N	545.23	536.72	536.23	604.79	596.28	595.79	9
10	E	609.75	601.24	600.75	547.77	539.26	538.77	8
11	E	674.28	665.76	665.27	483.25	474.74	474.25	7
12	Y	755.81	747.29	746.80	418.73	410.22	409.72	6
13	N	812.83	804.32	803.82	337.20	328.68	328.19	5
14	K*	897.88	889.37	888.88	280.18	271.66	271.17	4
15	L	954.42	945.91	945.42	195.12	186.61	186.12	3
16	E	1018.95	1010.43	1009.94	138.58	130.07	129.58	2
17	K	-	-	-	74.06	65.55	65.05	1

-

2734.30 K.NGYTPVLDCHTSHISCK*FLNIDSK.I

psu|PF13_0305 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1 alpha
 | location=M 340 – 364

#6965-6965 NL: 1.45E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	24
2	G	172.07	155.05	154.06	2620.25	2603.23	2602.24	23
3	Y	335.13	318.11	317.12	2563.23	2546.21	2545.22	22
4	T	436.18	419.16	418.17	2400.17	2383.14	2382.16	21
5	P	533.24	516.21	515.22	2299.12	2282.09	2281.11	20
6	V	632.30	615.28	614.29	2202.07	2185.04	2184.06	19
7	L	745.39	728.36	727.38	2103.00	2085.97	2084.99	18
8	D	860.41	843.39	842.40	1989.92	1972.89	1971.91	17
9	C	963.42	946.40	945.41	1874.89	1857.86	1856.88	16
10	H	1100.48	1083.46	1082.47	1771.88	1754.85	1753.87	15
11	T	1201.53	1184.50	1183.52	1634.82	1617.79	1616.81	14
12	S	1288.56	1271.54	1270.55	1533.77	1516.75	1515.76	13
13	H	1425.62	1408.60	1407.61	1446.74	1429.71	1428.73	12
14	I	1538.71	1521.68	1520.70	1309.68	1292.66	1291.67	11
15	S	1625.74	1608.71	1607.73	1196.60	1179.57	1178.59	10
16	C	1728.75	1711.72	1710.74	1109.57	1092.54	1091.56	9
17	K*	1898.85	1881.83	1880.84	1006.56	989.53	988.55	8
18	F	2045.92	2028.89	2027.91	836.45	819.42	818.44	7

19	L	2159.00	2141.98	2140.99	689.38	672.36	671.37	6
20	N	2273.05	2256.02	2255.04	576.30	559.27	558.29	5
21	I	2386.13	2369.11	2368.12	462.26	445.23	444.25	4
22	D	2501.16	2484.13	2483.15	349.17	332.15	331.16	3
23	S	2588.19	2571.16	2570.18	234.14	217.12	216.13	2
24	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	24
2	G	86.54	78.03	77.53	1310.63	1302.12	1301.63	23
3	Y	168.07	159.56	159.07	1282.12	1273.61	1273.11	22
4	T	218.59	210.08	209.59	1200.59	1192.07	1191.58	21
5	P	267.12	258.61	258.12	1150.06	1141.55	1141.06	20
6	V	316.66	308.14	307.65	1101.54	1093.02	1092.53	19
7	L	373.20	364.68	364.19	1052.00	1043.49	1043.00	18
8	D	430.71	422.20	421.71	995.46	986.95	986.46	17
9	C	482.22	473.70	473.21	937.95	929.43	928.94	16
10	H	550.75	542.23	541.74	886.44	877.93	877.44	15
11	T	601.27	592.76	592.26	817.91	809.40	808.91	14
12	S	644.78	636.27	635.78	767.39	758.88	758.38	13
13	H	713.31	704.80	704.31	723.87	715.36	714.87	12
14	I	769.86	761.34	760.85	655.34	646.83	646.34	11
15	S	813.37	804.86	804.37	598.80	590.29	589.80	10
16	C	864.88	856.36	855.87	555.29	546.77	546.28	9
17	K*	949.93	941.42	940.92	503.78	495.27	494.78	8
18	F	1023.46	1014.95	1014.46	418.73	410.22	409.72	7
19	L	1080.01	1071.49	1071.00	345.20	336.68	336.19	6
20	N	1137.03	1128.51	1128.02	288.65	280.14	279.65	5
21	I	1193.57	1185.06	1184.56	231.63	223.12	222.63	4
22	D	1251.08	1242.57	1242.08	175.09	166.58	166.08	3
23	S	1294.60	1286.09	1285.59	117.58	109.06	108.57	2
24	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	24
2	G	58.03	52.35	52.03	874.09	868.41	868.09	23
3	Y	112.38	106.71	106.38	855.08	849.41	849.08	22
4	T	146.07	140.39	140.06	800.73	795.05	794.72	21
5	P	178.42	172.74	172.41	767.05	761.37	761.04	20
6	V	211.44	205.76	205.44	734.69	729.02	728.69	19
7	L	249.13	243.46	243.13	701.67	696.00	695.67	18
8	D	287.48	281.80	281.47	663.98	658.30	657.97	17
9	C	321.81	316.14	315.81	625.63	619.96	619.63	16
10	H	367.50	361.82	361.50	591.30	585.62	585.29	15
11	T	401.18	395.51	395.18	545.61	539.94	539.61	14
12	S	430.19	424.52	424.19	511.93	506.25	505.93	13
13	H	475.88	470.20	469.88	482.92	477.24	476.91	12
14	I	513.57	507.90	507.57	437.23	431.56	431.23	11
15	S	542.58	536.91	536.58	399.54	393.86	393.53	10
16	C	576.92	571.24	570.92	370.53	364.85	364.52	9
17	K*	633.62	627.95	627.62	336.19	330.51	330.19	8
18	F	682.65	676.97	676.64	279.49	273.81	273.49	7
19	L	720.34	714.66	714.34	230.47	224.79	224.46	6
20	N	758.35	752.68	752.35	192.77	187.10	186.77	5

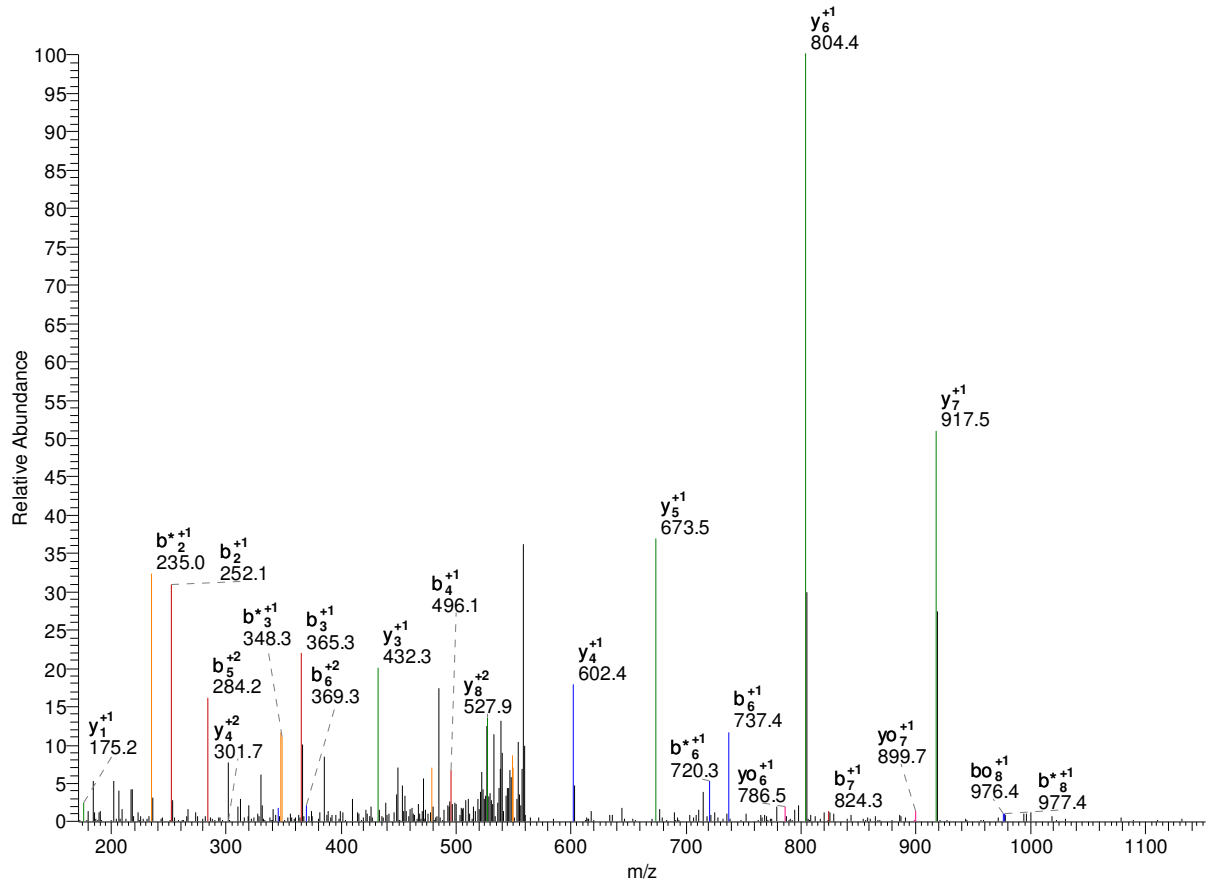
21	I	796.05	790.37	790.05	154.76	149.08	148.75	4
22	D	834.39	828.72	828.39	117.06	111.39	111.06	3
23	S	863.40	857.73	857.40	78.72	73.04	72.72	2
24	K	-	-	-	49.71	44.03	43.71	1

-

1168.63 K.NHIMAK*SK*R.H

psu|PF14_0029 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL14: 1318 – 1327

#290-290 NL: 3.92E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	9
2	H	252.11	235.08	234.10	1054.58	1037.56	1036.57	8
3	I	365.19	348.17	347.18	917.52	900.50	899.51	7
4	M	496.23	479.21	478.22	804.44	787.41	786.43	6
5	A	567.27	550.24	549.26	673.40	656.37	655.39	5
6	K*	737.38	720.35	719.37	602.36	585.34	584.35	4
7	S	824.41	807.38	806.40	432.26	415.23	414.25	3
8	K*	994.51	977.49	976.50	345.22	328.20	327.21	2
9	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	9
2	H	126.56	118.04	117.55	527.79	519.28	518.79	8
3	I	183.10	174.59	174.09	459.27	450.75	450.26	7

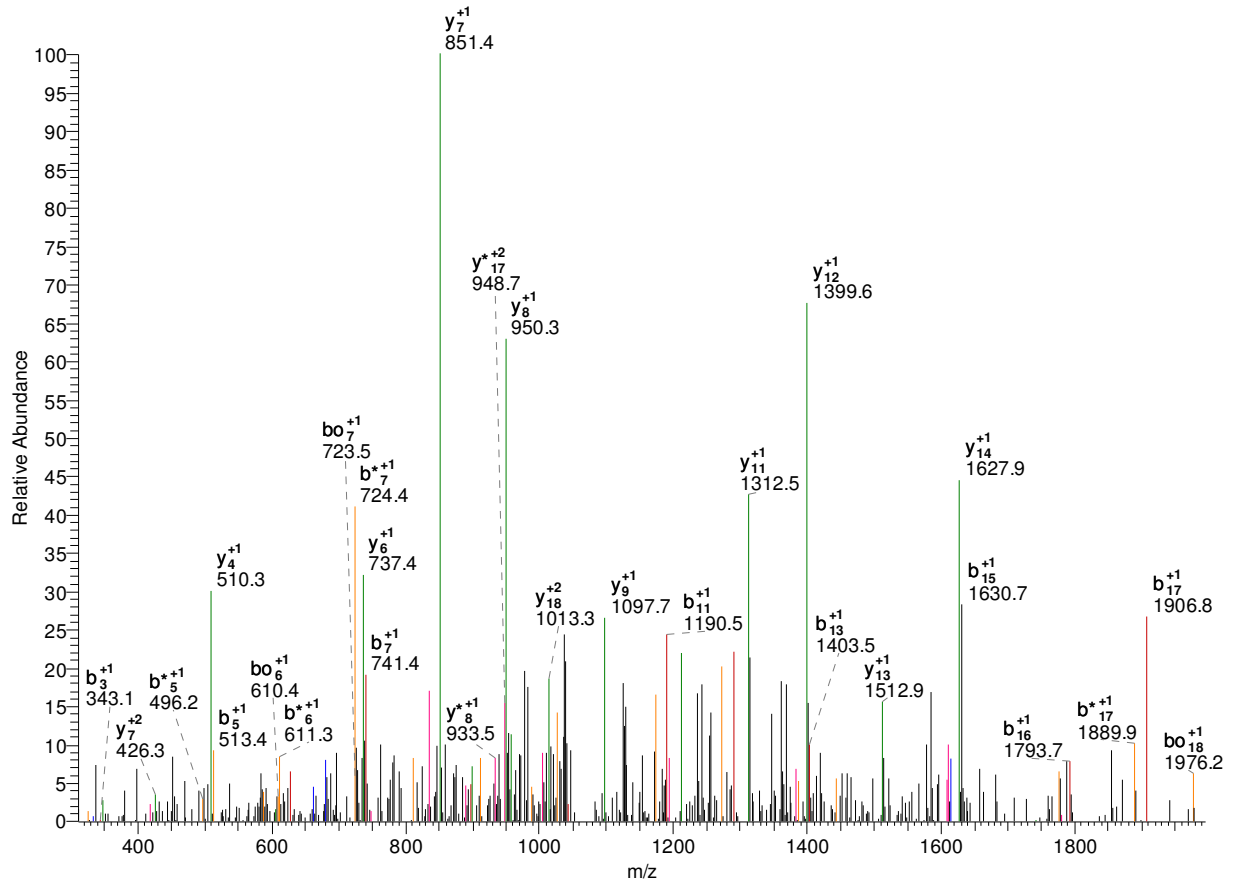
4	M	248.62	240.11	239.62	402.72	394.21	393.72	6
5	A	284.14	275.63	275.13	337.20	328.69	328.20	5
6	K*	369.19	360.68	360.19	301.68	293.17	292.68	4
7	S	412.71	404.19	403.70	216.63	208.12	207.63	3
8	K*	497.76	489.25	488.76	173.12	164.60	164.11	2
9	R	-	-	-	88.06	79.55	79.06	1

-

2140.09 K.NIDGLDLSTNFVNGK*YISK.L

psu|PF08_0034 | organism=Plasmodium_falciparum_3D7 | product=histone acetyltransferase Gcn5, putati 694 – 713

#8514-8514 NL: 1.02E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	19
2	I	228.13	211.11	210.12	2026.05	2009.02	2008.04	18
3	D	343.16	326.13	325.15	1912.97	1895.94	1894.95	17
4	G	400.18	383.16	382.17	1797.94	1780.91	1779.93	16
5	L	513.27	496.24	495.26	1740.92	1723.89	1722.91	15
6	D	628.29	611.27	610.28	1627.83	1610.81	1609.82	14
7	L	741.38	724.35	723.37	1512.81	1495.78	1494.80	13
8	S	828.41	811.38	810.40	1399.72	1382.70	1381.71	12
9	T	929.46	912.43	911.45	1312.69	1295.66	1294.68	11
10	N	1043.50	1026.47	1025.49	1211.64	1194.62	1193.63	10
11	F	1190.57	1173.54	1172.56	1097.60	1080.57	1079.59	9
12	V	1289.64	1272.61	1271.63	950.53	933.50	932.52	8
13	N	1403.68	1386.65	1385.67	851.46	834.44	833.45	7
14	G	1460.70	1443.68	1442.69	737.42	720.39	719.41	6
15	K*	1630.81	1613.78	1612.80	680.40	663.37	662.39	5
16	Y	1793.87	1776.84	1775.86	510.29	493.27	492.28	4
17	I	1906.95	1889.93	1888.94	347.23	330.20	329.22	3
18	S	1993.99	1976.96	1975.98	234.14	217.12	216.13	2

19	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	19
2	I	114.57	106.06	105.57	1013.53	1005.01	1004.52	18
3	D	172.08	163.57	163.08	956.99	948.47	947.98	17
4	G	200.59	192.08	191.59	899.47	890.96	890.47	16
5	L	257.14	248.62	248.13	870.96	862.45	861.96	15
6	D	314.65	306.14	305.65	814.42	805.91	805.41	14
7	L	371.19	362.68	362.19	756.91	748.39	747.90	13
8	S	414.71	406.20	405.70	700.36	691.85	691.36	12
9	T	465.23	456.72	456.23	656.85	648.34	647.84	11
10	N	522.25	513.74	513.25	606.32	597.81	597.32	10
11	F	595.79	587.27	586.78	549.30	540.79	540.30	9
12	V	645.32	636.81	636.32	475.77	467.26	466.76	8
13	N	702.34	693.83	693.34	426.23	417.72	417.23	7
14	G	730.85	722.34	721.85	369.21	360.70	360.21	6
15	K*	815.91	807.39	806.90	340.70	332.19	331.70	5
16	Y	897.44	888.93	888.43	255.65	247.14	246.64	4
17	I	953.98	945.47	944.98	174.12	165.60	165.11	3
18	S	997.50	988.98	988.49	117.58	109.06	108.57	2
19	K	-	-	-	74.06	65.55	65.05	1

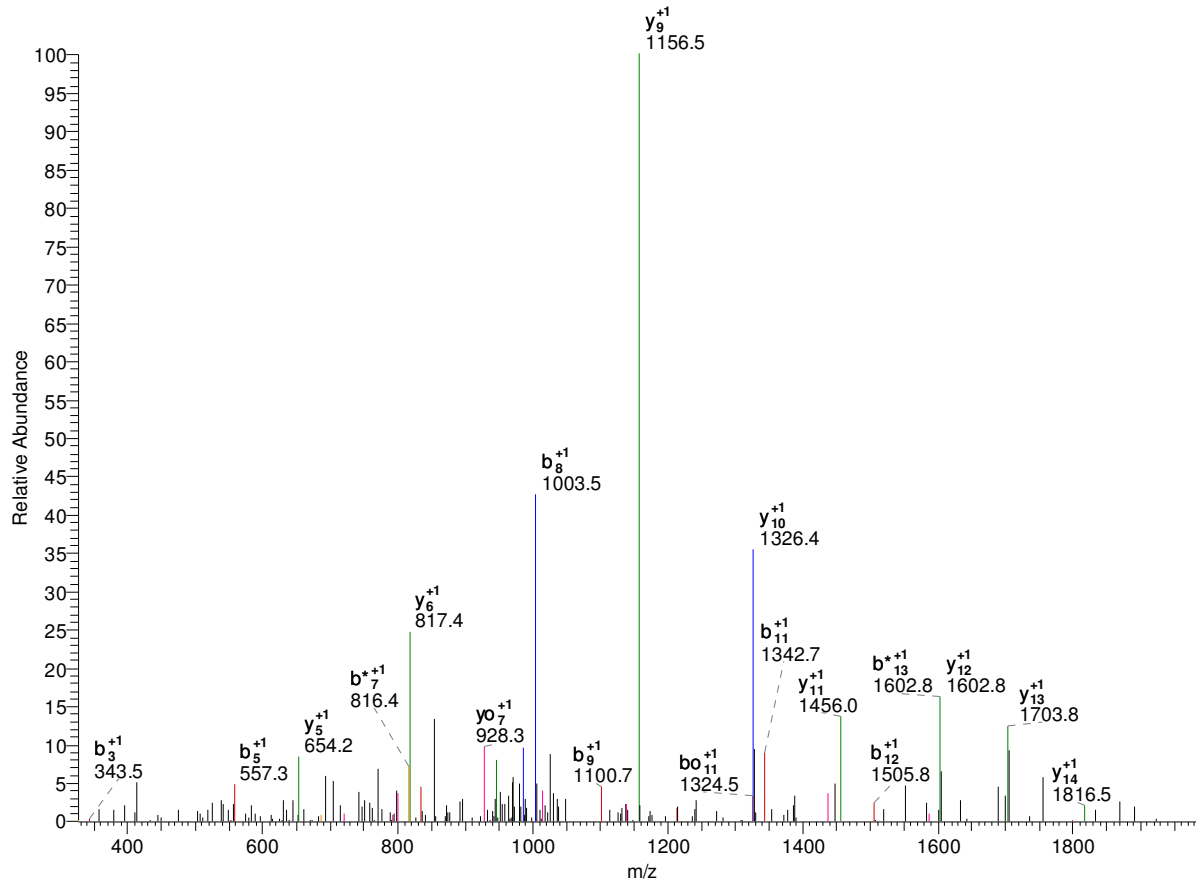
-

2159.02

K.NIDITFEK*PLEYNDDYK.I

psu|PF11_0364 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11: 90 – 107

#6230-6230 NL: 1.50E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	17
2	I	228.13	211.11	210.12	2044.97	2027.95	2026.96	16
3	D	343.16	326.13	325.15	1931.89	1914.86	1913.88	15
4	I	456.25	439.22	438.23	1816.86	1799.84	1798.85	14
5	T	557.29	540.27	539.28	1703.78	1686.75	1685.77	13
6	F	704.36	687.33	686.35	1602.73	1585.71	1584.72	12
7	E	833.40	816.38	815.39	1455.66	1438.64	1437.65	11
8	K*	1003.51	986.48	985.50	1326.62	1309.59	1308.61	10
9	P	1100.56	1083.54	1082.55	1156.52	1139.49	1138.51	9
10	L	1213.65	1196.62	1195.64	1059.46	1042.44	1041.45	8
11	E	1342.69	1325.66	1324.68	946.38	929.35	928.37	7
12	Y	1505.75	1488.73	1487.74	817.34	800.31	799.33	6
13	N	1619.80	1602.77	1601.78	654.27	637.25	636.26	5
14	D	1734.82	1717.80	1716.81	540.23	523.20	522.22	4
15	D	1849.85	1832.82	1831.84	425.20	408.18	407.19	3
16	Y	2012.91	1995.89	1994.90	310.18	293.15	292.17	2

17	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

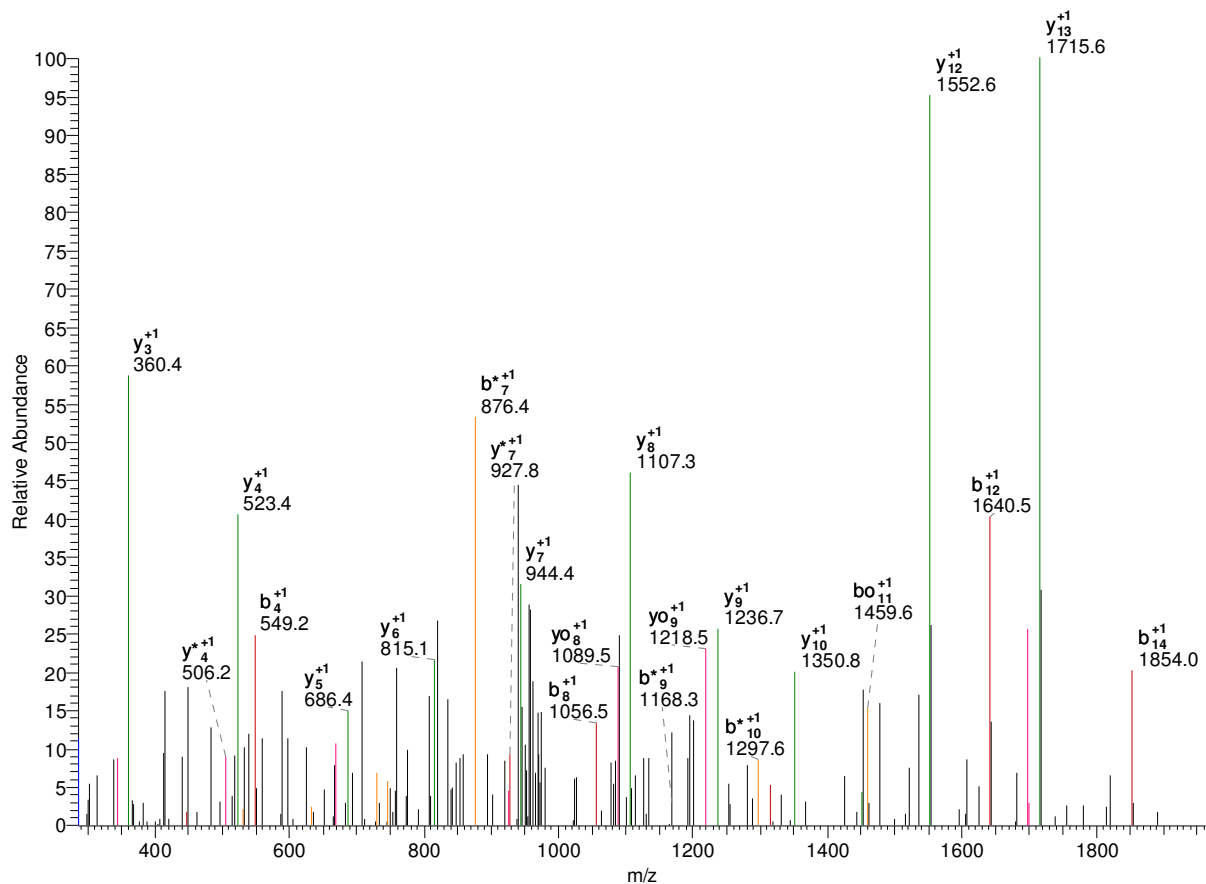
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	17
2	I	114.57	106.06	105.57	1022.99	1014.48	1013.99	16
3	D	172.08	163.57	163.08	966.45	957.94	957.44	15
4	I	228.63	220.11	219.62	908.94	900.42	899.93	14
5	T	279.15	270.64	270.14	852.39	843.88	843.39	13
6	F	352.68	344.17	343.68	801.87	793.36	792.86	12
7	E	417.21	408.69	408.20	728.34	719.82	719.33	11
8	K*	502.26	493.75	493.25	663.81	655.30	654.81	10
9	P	550.78	542.27	541.78	578.76	570.25	569.76	9
10	L	607.33	598.81	598.32	530.24	521.72	521.23	8
11	E	671.85	663.33	662.84	473.69	465.18	464.69	7
12	Y	753.38	744.87	744.37	409.17	400.66	400.17	6
13	N	810.40	801.89	801.40	327.64	319.13	318.63	5
14	D	867.91	859.40	858.91	270.62	262.11	261.61	4
15	D	925.43	916.91	916.42	213.11	204.59	204.10	3
16	Y	1006.96	998.45	997.95	155.59	147.08	146.59	2
17	K	-	-	-	74.06	65.55	65.05	1

-

1999.89 K.NK*YTTNEYEEYNVK.N

psu|PF10_0171 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 432 – 447

#2769-2769 NL: 3.28E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	15
2	K*	285.16	268.13	267.15	1885.85	1868.82	1867.84	14
3	Y	448.22	431.19	430.21	1715.74	1698.72	1697.73	13
4	T	549.27	532.24	531.26	1552.68	1535.65	1534.67	12
5	T	650.31	633.29	632.30	1451.63	1434.61	1433.62	11
6	N	764.36	747.33	746.35	1350.58	1333.56	1332.57	10
7	E	893.40	876.37	875.39	1236.54	1219.52	1218.53	9
8	Y	1056.46	1039.44	1038.45	1107.50	1090.47	1089.49	8
9	E	1185.51	1168.48	1167.50	944.44	927.41	926.43	7
10	E	1314.55	1297.52	1296.54	815.39	798.37	797.38	6
11	Y	1477.61	1460.59	1459.60	686.35	669.32	668.34	5
12	Y	1640.68	1623.65	1622.66	523.29	506.26	505.28	4
13	N	1754.72	1737.69	1736.71	360.22	343.20	342.21	3
14	V	1853.79	1836.76	1835.78	246.18	229.15	228.17	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	15
2	K*	143.08	134.57	134.08	943.43	934.91	934.42	14
3	Y	224.61	216.10	215.61	858.38	849.86	849.37	13
4	T	275.14	266.62	266.13	776.84	768.33	767.84	12
5	T	325.66	317.15	316.66	726.32	717.81	717.31	11
6	N	382.68	374.17	373.68	675.80	667.28	666.79	10
7	E	447.20	438.69	438.20	618.77	610.26	609.77	9
8	Y	528.74	520.22	519.73	554.25	545.74	545.25	8
9	E	593.26	584.74	584.25	472.72	464.21	463.72	7
10	E	657.78	649.26	648.77	408.20	399.69	399.20	6
11	Y	739.31	730.80	730.30	343.68	335.17	334.67	5
12	Y	820.84	812.33	811.84	262.15	253.63	253.14	4
13	N	877.86	869.35	868.86	180.62	172.10	171.61	3
14	V	927.40	918.88	918.39	123.59	115.08	114.59	2
15	K	-	-	-	74.06	65.55	65.05	1

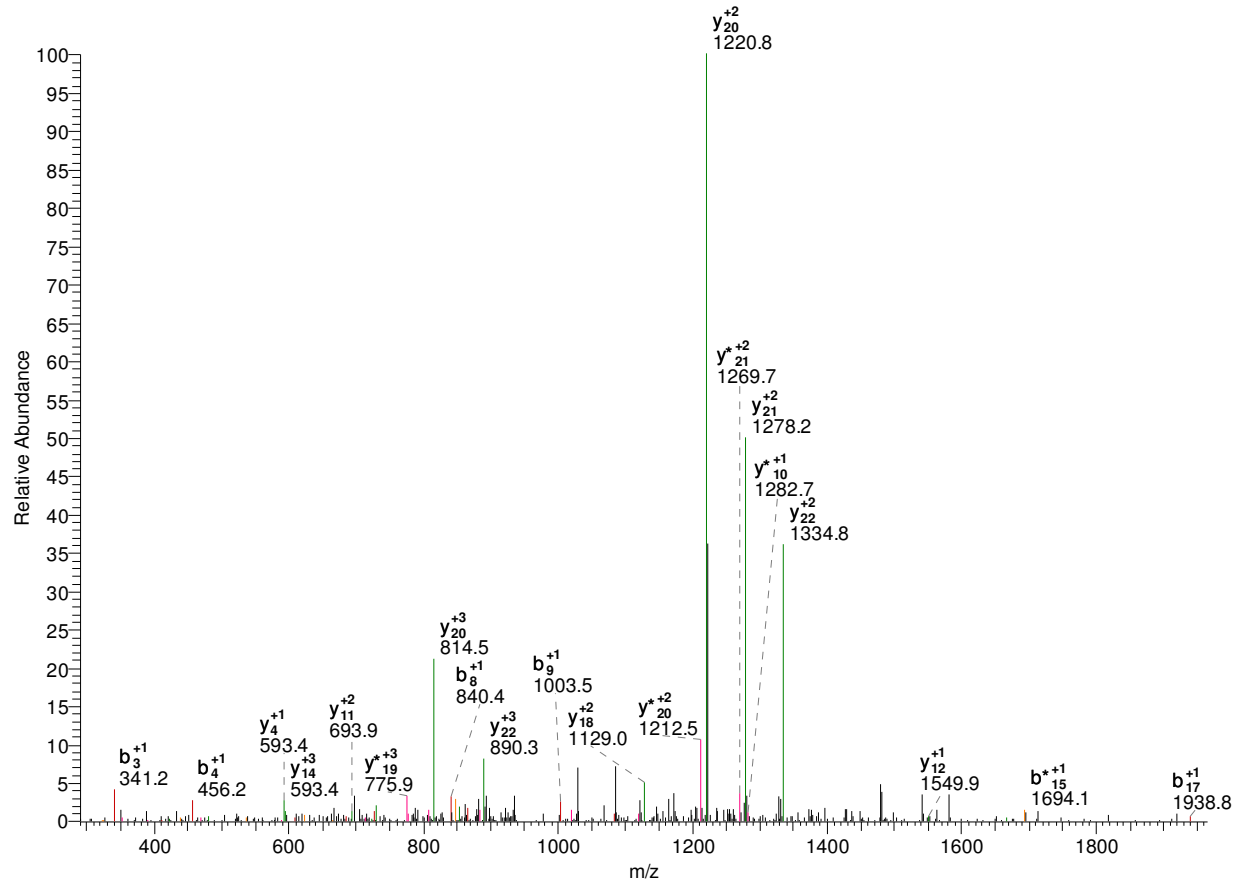
-

2895.39

K.NLLDPSSLYNNDYSNNNNIHK*YIK.L

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL10: 3424 - 3448

#6021-6021 NL: 6.00E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	24
2	L	228.13	211.11	210.12	2781.35	2764.32	2763.34	23
3	L	341.22	324.19	323.21	2668.26	2651.24	2650.25	22
4	D	456.25	439.22	438.23	2555.18	2538.15	2537.17	21
5	P	553.30	536.27	535.29	2440.15	2423.13	2422.14	20
6	S	640.33	623.30	622.32	2343.10	2326.07	2325.09	19
7	S	727.36	710.34	709.35	2256.07	2239.04	2238.06	18
8	L	840.45	823.42	822.44	2169.04	2152.01	2151.03	17
9	Y	1003.51	986.48	985.50	2055.95	2038.93	2037.94	16
10	N	1117.55	1100.53	1099.54	1892.89	1875.86	1874.88	15
11	N	1231.60	1214.57	1213.58	1778.85	1761.82	1760.84	14
12	D	1346.62	1329.60	1328.61	1664.80	1647.78	1646.79	13
13	Y	1509.69	1492.66	1491.68	1549.78	1532.75	1531.77	12
14	S	1596.72	1579.69	1578.71	1386.71	1369.69	1368.70	11
15	N	1710.76	1693.73	1692.75	1299.68	1282.65	1281.67	10
16	N	1824.80	1807.78	1806.79	1185.64	1168.61	1167.63	9
17	N	1938.85	1921.82	1920.84	1071.59	1054.57	1053.58	8
18	N	2052.89	2035.86	2034.88	957.55	940.53	939.54	7

19	I	2165.97	2148.95	2147.96	843.51	826.48	825.50	6
20	H	2303.03	2286.01	2285.02	730.42	713.40	712.41	5
21	K	2431.13	2414.10	2413.12	593.37	576.34	575.36	4
22	Y	2594.19	2577.16	2576.18	465.27	448.24	447.26	3
23	I	2707.27	2690.25	2689.26	302.21	285.18	284.20	2
24	K*	-	-	-	189.12	172.10	171.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	24
2	L	114.57	106.06	105.57	1391.18	1382.66	1382.17	23
3	L	171.11	162.60	162.11	1334.64	1326.12	1325.63	22
4	D	228.63	220.11	219.62	1278.09	1269.58	1269.09	21
5	P	277.15	268.64	268.15	1220.58	1212.07	1211.57	20
6	S	320.67	312.16	311.66	1172.05	1163.54	1163.05	19
7	S	364.18	355.67	355.18	1128.54	1120.02	1119.53	18
8	L	420.73	412.21	411.72	1085.02	1076.51	1076.02	17
9	Y	502.26	493.75	493.25	1028.48	1019.97	1019.47	16
10	N	559.28	550.77	550.27	946.95	938.43	937.94	15
11	N	616.30	607.79	607.30	889.93	881.41	880.92	14
12	D	673.81	665.30	664.81	832.90	824.39	823.90	13
13	Y	755.35	746.83	746.34	775.39	766.88	766.39	12
14	S	798.86	790.35	789.86	693.86	685.35	684.85	11
15	N	855.88	847.37	846.88	650.34	641.83	641.34	10
16	N	912.91	904.39	903.90	593.32	584.81	584.32	9
17	N	969.93	961.41	960.92	536.30	527.79	527.30	8
18	N	1026.95	1018.44	1017.94	479.28	470.77	470.27	7
19	I	1083.49	1074.98	1074.49	422.26	413.74	413.25	6
20	H	1152.02	1143.51	1143.01	365.72	357.20	356.71	5
21	K	1216.07	1207.55	1207.06	297.19	288.67	288.18	4
22	Y	1297.60	1289.09	1288.59	233.14	224.63	224.13	3
23	I	1354.14	1345.63	1345.14	151.61	143.09	142.60	2
24	K*	-	-	-	95.07	86.55	86.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	24
2	L	76.72	71.04	70.71	927.79	922.11	921.78	23
3	L	114.41	108.74	108.41	890.09	884.42	884.09	22
4	D	152.75	147.08	146.75	852.40	846.72	846.39	21
5	P	185.10	179.43	179.10	814.06	808.38	808.05	20
6	S	214.11	208.44	208.11	781.70	776.03	775.70	19
7	S	243.13	237.45	237.12	752.69	747.02	746.69	18
8	L	280.82	275.14	274.82	723.68	718.01	717.68	17
9	Y	335.17	329.50	329.17	685.99	680.31	679.99	16
10	N	373.19	367.51	367.19	631.63	625.96	625.63	15
11	N	411.20	405.53	405.20	593.62	587.94	587.62	14
12	D	449.55	443.87	443.54	555.61	549.93	549.60	13
13	Y	503.90	498.22	497.90	517.26	511.59	511.26	12
14	S	532.91	527.24	526.91	462.91	457.23	456.91	11
15	N	570.93	565.25	564.92	433.90	428.22	427.89	10
16	N	608.94	603.26	602.94	395.88	390.21	389.88	9
17	N	646.95	641.28	640.95	357.87	352.19	351.87	8
18	N	684.97	679.29	678.96	319.86	314.18	313.85	7
19	I	722.66	716.99	716.66	281.84	276.17	275.84	6
20	H	768.35	762.67	762.35	244.15	238.47	238.14	5

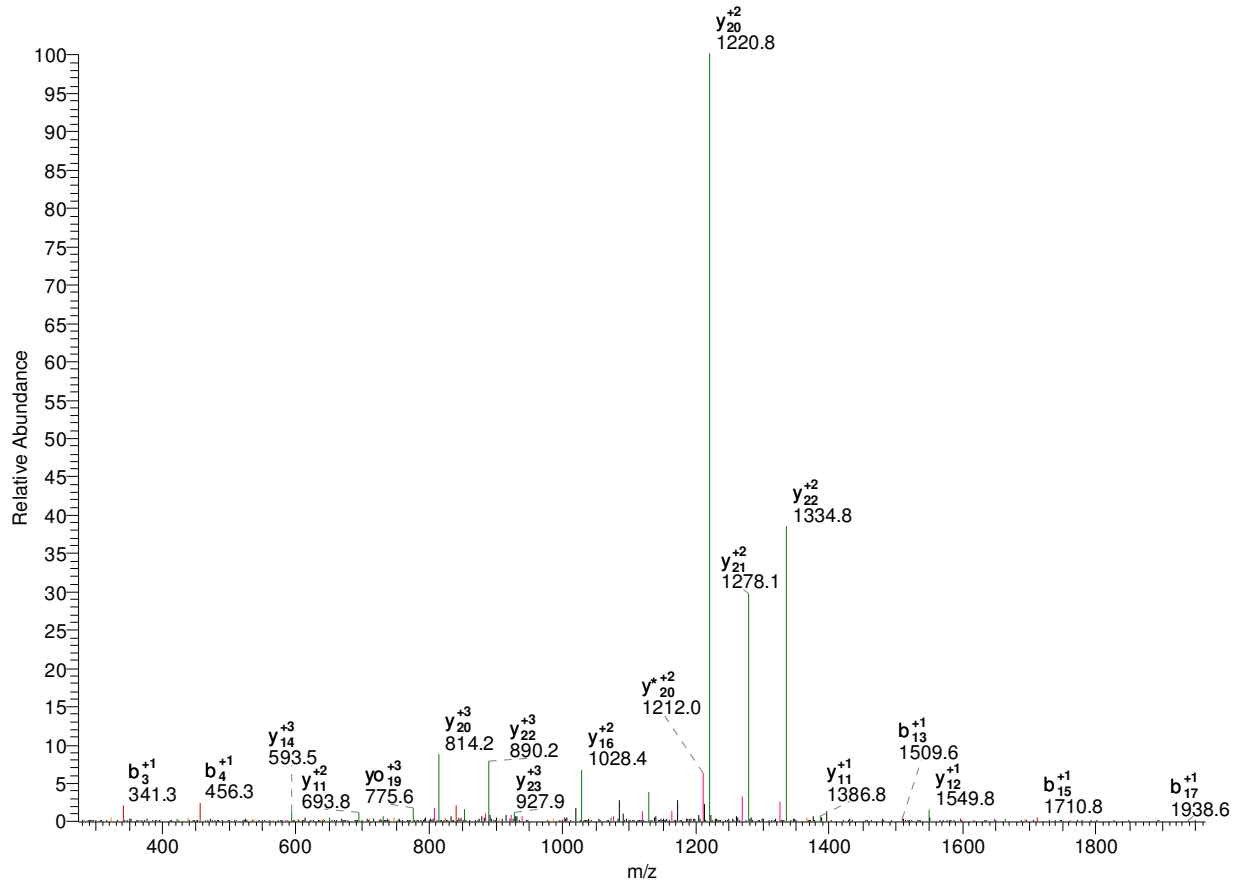
21	K	811.05	805.37	805.04	198.46	192.78	192.46	4
22	Y	865.40	859.73	859.40	155.76	150.09	149.76	3
23	I	903.10	897.42	897.09	101.41	95.73	95.40	2
24	K*	-	-	-	63.71	58.04	57.71	1

-

2895.39 K.NLLDPSSLYNNDYSNNNNIHK*YIK.L

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 3424 – 3448

#7005-7005 NL: 4.16E4



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	24
2	L	228.13	211.11	210.12	2781.35	2764.32	2763.34	23
3	L	341.22	324.19	323.21	2668.26	2651.24	2650.25	22
4	D	456.25	439.22	438.23	2555.18	2538.15	2537.17	21
5	P	553.30	536.27	535.29	2440.15	2423.13	2422.14	20
6	S	640.33	623.30	622.32	2343.10	2326.07	2325.09	19
7	S	727.36	710.34	709.35	2256.07	2239.04	2238.06	18
8	L	840.45	823.42	822.44	2169.04	2152.01	2151.03	17
9	Y	1003.51	986.48	985.50	2055.95	2038.93	2037.94	16
10	N	1117.55	1100.53	1099.54	1892.89	1875.86	1874.88	15
11	N	1231.60	1214.57	1213.58	1778.85	1761.82	1760.84	14
12	D	1346.62	1329.60	1328.61	1664.80	1647.78	1646.79	13
13	Y	1509.69	1492.66	1491.68	1549.78	1532.75	1531.77	12
14	S	1596.72	1579.69	1578.71	1386.71	1369.69	1368.70	11
15	N	1710.76	1693.73	1692.75	1299.68	1282.65	1281.67	10
16	N	1824.80	1807.78	1806.79	1185.64	1168.61	1167.63	9
17	N	1938.85	1921.82	1920.84	1071.59	1054.57	1053.58	8
18	N	2052.89	2035.86	2034.88	957.55	940.53	939.54	7

19	I	2165.97	2148.95	2147.96	843.51	826.48	825.50	6
20	H	2303.03	2286.01	2285.02	730.42	713.40	712.41	5
21	K*	2473.14	2456.11	2455.13	593.37	576.34	575.36	4
22	Y	2636.20	2619.17	2618.19	423.26	406.23	405.25	3
23	I	2749.29	2732.26	2731.27	260.20	243.17	242.19	2
24	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	24
2	L	114.57	106.06	105.57	1391.18	1382.66	1382.17	23
3	L	171.11	162.60	162.11	1334.64	1326.12	1325.63	22
4	D	228.63	220.11	219.62	1278.09	1269.58	1269.09	21
5	P	277.15	268.64	268.15	1220.58	1212.07	1211.57	20
6	S	320.67	312.16	311.66	1172.05	1163.54	1163.05	19
7	S	364.18	355.67	355.18	1128.54	1120.02	1119.53	18
8	L	420.73	412.21	411.72	1085.02	1076.51	1076.02	17
9	Y	502.26	493.75	493.25	1028.48	1019.97	1019.47	16
10	N	559.28	550.77	550.27	946.95	938.43	937.94	15
11	N	616.30	607.79	607.30	889.93	881.41	880.92	14
12	D	673.81	665.30	664.81	832.90	824.39	823.90	13
13	Y	755.35	746.83	746.34	775.39	766.88	766.39	12
14	S	798.86	790.35	789.86	693.86	685.35	684.85	11
15	N	855.88	847.37	846.88	650.34	641.83	641.34	10
16	N	912.91	904.39	903.90	593.32	584.81	584.32	9
17	N	969.93	961.41	960.92	536.30	527.79	527.30	8
18	N	1026.95	1018.44	1017.94	479.28	470.77	470.27	7
19	I	1083.49	1074.98	1074.49	422.26	413.74	413.25	6
20	H	1152.02	1143.51	1143.01	365.72	357.20	356.71	5
21	K*	1237.07	1228.56	1228.07	297.19	288.67	288.18	4
22	Y	1318.60	1310.09	1309.60	212.13	203.62	203.13	3
23	I	1375.15	1366.63	1366.14	130.60	122.09	121.60	2
24	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	24
2	L	76.72	71.04	70.71	927.79	922.11	921.78	23
3	L	114.41	108.74	108.41	890.09	884.42	884.09	22
4	D	152.75	147.08	146.75	852.40	846.72	846.39	21
5	P	185.10	179.43	179.10	814.06	808.38	808.05	20
6	S	214.11	208.44	208.11	781.70	776.03	775.70	19
7	S	243.13	237.45	237.12	752.69	747.02	746.69	18
8	L	280.82	275.14	274.82	723.68	718.01	717.68	17
9	Y	335.17	329.50	329.17	685.99	680.31	679.99	16
10	N	373.19	367.51	367.19	631.63	625.96	625.63	15
11	N	411.20	405.53	405.20	593.62	587.94	587.62	14
12	D	449.55	443.87	443.54	555.61	549.93	549.60	13
13	Y	503.90	498.22	497.90	517.26	511.59	511.26	12
14	S	532.91	527.24	526.91	462.91	457.23	456.91	11
15	N	570.93	565.25	564.92	433.90	428.22	427.89	10
16	N	608.94	603.26	602.94	395.88	390.21	389.88	9
17	N	646.95	641.28	640.95	357.87	352.19	351.87	8
18	N	684.97	679.29	678.96	319.86	314.18	313.85	7
19	I	722.66	716.99	716.66	281.84	276.17	275.84	6
20	H	768.35	762.67	762.35	244.15	238.47	238.14	5

21	K*	825.05	819.38	819.05	198.46	192.78	192.46	4
22	Y	879.41	873.73	873.40	141.76	136.08	135.75	3
23	I	917.10	911.42	911.10	87.40	81.73	81.40	2
24	K	-	-	-	49.71	44.03	43.71	1

-

1	N	58.03	49.52	49.02	-	-	-	12
2	M	123.55	115.04	114.54	757.34	748.83	748.34	11
3	E	188.07	179.56	179.06	691.82	683.31	682.82	10
4	E	252.59	244.08	243.59	627.30	618.79	618.30	9
5	M	318.11	309.60	309.11	562.78	554.27	553.77	8
6	K	382.16	373.65	373.15	497.26	488.75	488.25	7
7	K	446.21	437.69	437.20	433.21	424.70	424.21	6
8	M#	518.73	510.22	509.73	369.16	360.65	360.16	5
9	E	583.26	574.74	574.25	296.64	288.12	287.63	4
10	E	647.78	639.26	638.77	232.11	223.60	223.11	3
11	M#	720.31	711.79	711.30	167.59	159.08	158.59	2
12	K*	-	-	-	95.07	86.55	86.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	12
2	M	82.70	77.03	76.70	505.23	499.55	499.23	11
3	E	125.72	120.04	119.71	461.55	455.87	455.55	10
4	E	168.73	163.05	162.73	418.54	412.86	412.53	9
5	M	212.41	206.73	206.41	375.52	369.85	369.52	8
6	K	255.11	249.43	249.11	331.84	326.17	325.84	7
7	K	297.81	292.13	291.80	289.14	283.47	283.14	6
8	M#	346.16	340.48	340.16	246.45	240.77	240.44	5
9	E	389.17	383.50	383.17	198.09	192.42	192.09	4
10	E	432.19	426.51	426.18	155.08	149.40	149.08	3
11	M#	480.54	474.86	474.54	112.06	106.39	106.06	2
12	K*	-	-	-	63.71	58.04	57.71	1

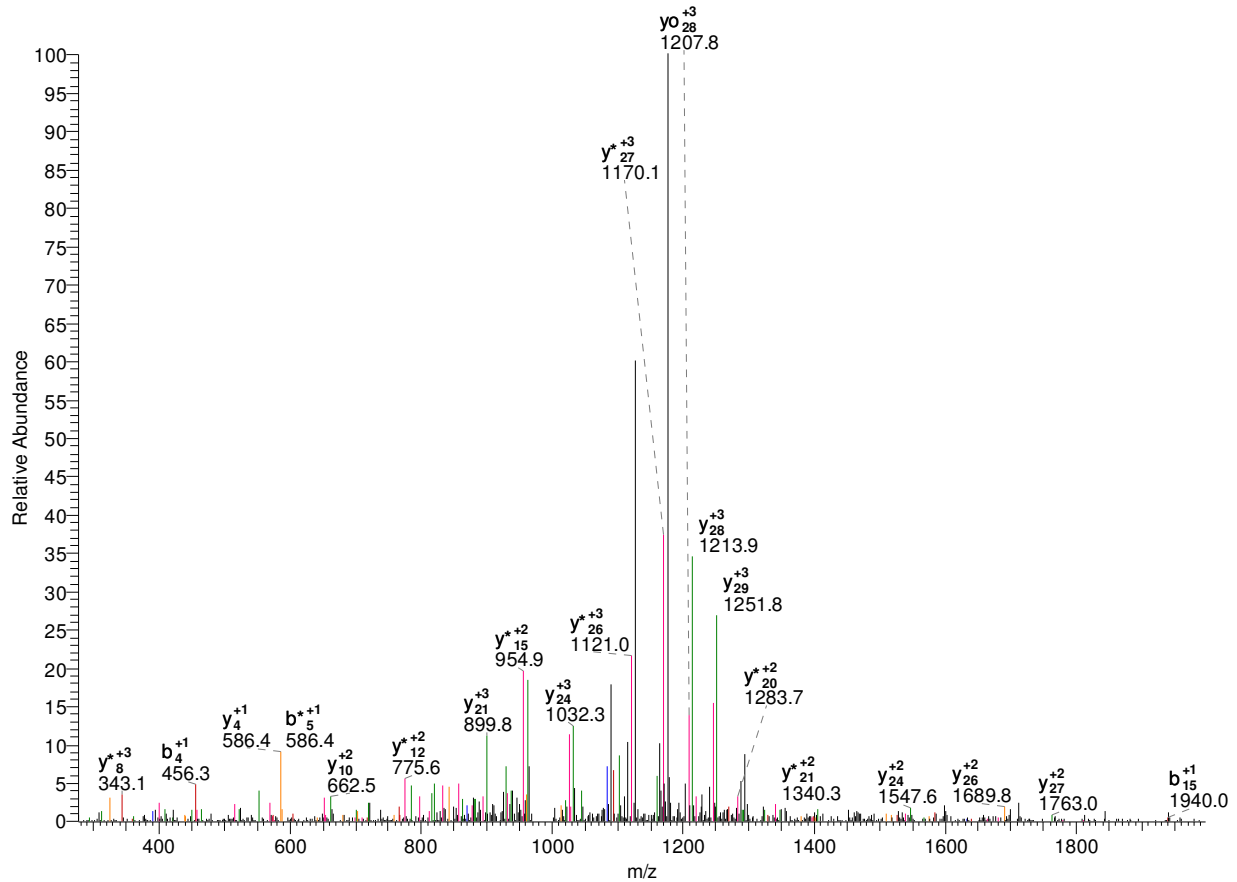
-

3980.70

K.NNNLFNK*^{*}NK*^{*}LLEHLYDEDEDDYDDDNDHHR.Y

psu|PF13_0116 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
conserved | loca 645 – 676

#6743-6743 NL: 3.12E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	31
2	N	229.09	212.07	211.08	3866.65	3849.63	3848.64	30
3	N	343.14	326.11	325.13	3752.61	3735.59	3734.60	29
4	L	456.22	439.19	438.21	3638.57	3621.54	3620.56	28
5	F	603.29	586.26	585.28	3525.49	3508.46	3507.47	27
6	N	717.33	700.30	699.32	3378.42	3361.39	3360.41	26
7	K*	887.44	870.41	869.43	3264.37	3247.35	3246.36	25
8	N	1001.48	984.45	983.47	3094.27	3077.24	3076.26	24
9	K*	1171.59	1154.56	1153.57	2980.23	2963.20	2962.21	23
10	L	1284.67	1267.64	1266.66	2810.12	2793.09	2792.11	22
11	L	1397.75	1380.73	1379.74	2697.04	2680.01	2679.03	21
12	E	1526.80	1509.77	1508.79	2583.95	2566.93	2565.94	20
13	H	1663.86	1646.83	1645.84	2454.91	2437.88	2436.90	19
14	L	1776.94	1759.91	1758.93	2317.85	2300.82	2299.84	18
15	Y	1940.00	1922.98	1921.99	2204.77	2187.74	2186.76	17
16	D	2055.03	2038.00	2037.02	2041.70	2024.68	2023.69	16
17	E	2184.07	2167.05	2166.06	1926.68	1909.65	1908.67	15
18	D	2299.10	2282.07	2281.09	1797.63	1780.61	1779.62	14

19	D	2414.13	2397.10	2396.12	1682.61	1665.58	1664.60	13
20	E	2543.17	2526.14	2525.16	1567.58	1550.55	1549.57	12
21	D	2658.20	2641.17	2640.18	1438.54	1421.51	1420.53	11
22	Y	2821.26	2804.23	2803.25	1323.51	1306.48	1305.50	10
23	D	2936.29	2919.26	2918.28	1160.45	1143.42	1142.44	9
24	D	3051.31	3034.29	3033.30	1045.42	1028.39	1027.41	8
25	D	3166.34	3149.31	3148.33	930.39	913.37	912.38	7
26	N	3280.38	3263.36	3262.37	815.37	798.34	797.35	6
27	D	3395.41	3378.38	3377.40	701.32	684.30	683.31	5
28	H	3532.47	3515.44	3514.46	586.30	569.27	568.29	4
29	H	3669.53	3652.50	3651.52	449.24	432.21	431.23	3
30	H	3806.59	3789.56	3788.58	312.18	295.15	294.17	2
31	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	31
2	N	115.05	106.54	106.04	1933.83	1925.32	1924.83	30
3	N	172.07	163.56	163.07	1876.81	1868.30	1867.80	29
4	L	228.61	220.10	219.61	1819.79	1811.27	1810.78	28
5	F	302.15	293.63	293.14	1763.25	1754.73	1754.24	27
6	N	359.17	350.66	350.16	1689.71	1681.20	1680.71	26
7	K*	444.22	435.71	435.22	1632.69	1624.18	1623.69	25
8	N	501.24	492.73	492.24	1547.64	1539.12	1538.63	24
9	K*	586.30	577.78	577.29	1490.62	1482.10	1481.61	23
10	L	642.84	634.33	633.83	1405.56	1397.05	1396.56	22
11	L	699.38	690.87	690.38	1349.02	1340.51	1340.02	21
12	E	763.90	755.39	754.90	1292.48	1283.97	1283.47	20
13	H	832.43	823.92	823.43	1227.96	1219.44	1218.95	19
14	L	888.97	880.46	879.97	1159.43	1150.92	1150.42	18
15	Y	970.50	961.99	961.50	1102.89	1094.37	1093.88	17
16	D	1028.02	1019.51	1019.01	1021.35	1012.84	1012.35	16
17	E	1092.54	1084.03	1083.53	963.84	955.33	954.84	15
18	D	1150.05	1141.54	1141.05	899.32	890.81	890.31	14
19	D	1207.57	1199.05	1198.56	841.81	833.29	832.80	13
20	E	1272.09	1263.57	1263.08	784.29	775.78	775.29	12
21	D	1329.60	1321.09	1320.60	719.77	711.26	710.77	11
22	Y	1411.13	1402.62	1402.13	662.26	653.75	653.25	10
23	D	1468.65	1460.13	1459.64	580.73	572.21	571.72	9
24	D	1526.16	1517.65	1517.15	523.21	514.70	514.21	8
25	D	1583.67	1575.16	1574.67	465.70	457.19	456.69	7
26	N	1640.69	1632.18	1631.69	408.19	399.67	399.18	6
27	D	1698.21	1689.70	1689.20	351.16	342.65	342.16	5
28	H	1766.74	1758.22	1757.73	293.65	285.14	284.65	4
29	H	1835.27	1826.75	1826.26	225.12	216.61	216.12	3
30	H	1903.80	1895.28	1894.79	156.59	148.08	147.59	2
31	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	31
2	N	77.04	71.36	71.03	1289.56	1283.88	1283.55	30
3	N	115.05	109.37	109.05	1251.54	1245.87	1245.54	29
4	L	152.74	147.07	146.74	1213.53	1207.85	1207.52	28
5	F	201.77	196.09	195.76	1175.83	1170.16	1169.83	27
6	N	239.78	234.11	233.78	1126.81	1121.13	1120.81	26

7	K*	296.48	290.81	290.48	1088.80	1083.12	1082.79	25
8	N	334.50	328.82	328.49	1032.09	1026.42	1026.09	24
9	K*	391.20	385.52	385.20	994.08	988.40	988.08	23
10	L	428.89	423.22	422.89	937.38	931.70	931.37	22
11	L	466.59	460.91	460.59	899.68	894.01	893.68	21
12	E	509.60	503.93	503.60	861.99	856.31	855.99	20
13	H	555.29	549.61	549.29	818.97	813.30	812.97	19
14	L	592.98	587.31	586.98	773.29	767.61	767.28	18
15	Y	647.34	641.66	641.34	735.59	729.92	729.59	17
16	D	685.68	680.01	679.68	681.24	675.56	675.24	16
17	E	728.70	723.02	722.69	642.90	637.22	636.89	15
18	D	767.04	761.36	761.03	599.88	594.21	593.88	14
19	D	805.38	799.70	799.38	561.54	555.86	555.54	13
20	E	848.39	842.72	842.39	523.20	517.52	517.19	12
21	D	886.74	881.06	880.73	480.18	474.51	474.18	11
22	Y	941.09	935.42	935.09	441.84	436.17	435.84	10
23	D	979.43	973.76	973.43	387.49	381.81	381.48	9
24	D	1017.78	1012.10	1011.77	349.14	343.47	343.14	8
25	D	1056.12	1050.44	1050.11	310.80	305.13	304.80	7
26	N	1094.13	1088.46	1088.13	272.46	266.78	266.46	6
27	D	1132.47	1126.80	1126.47	234.45	228.77	228.44	5
28	H	1178.16	1172.49	1172.16	196.10	190.43	190.10	4
29	H	1223.85	1218.17	1217.84	150.42	144.74	144.41	3
30	H	1269.53	1263.86	1263.53	104.73	99.06	98.73	2
31	R	-	-	-	59.04	53.37	53.04	1

+4 Ions		B	B*	B0	Y	Y*	Y0	
1	N	29.52	25.26	25.02	-	-	-	31
2	N	58.03	53.77	53.53	967.42	963.16	962.92	30
3	N	86.54	82.28	82.04	938.91	934.65	934.41	29
4	L	114.81	110.55	110.31	910.40	906.14	905.90	28
5	F	151.58	147.32	147.07	882.13	877.87	877.62	27
6	N	180.09	175.83	175.59	845.36	841.10	840.86	26
7	K*	222.61	218.36	218.11	816.85	812.59	812.35	25
8	N	251.13	246.87	246.62	774.32	770.07	769.82	24
9	K*	293.65	289.40	289.15	745.81	741.56	741.31	23
10	L	321.92	317.67	317.42	703.29	699.03	698.78	22
11	L	350.19	345.94	345.69	675.01	670.76	670.51	21
12	E	382.45	378.20	377.95	646.74	642.49	642.24	20
13	H	416.72	412.46	412.22	614.48	610.23	609.98	19
14	L	444.99	440.73	440.49	580.22	575.96	575.72	18
15	Y	485.76	481.50	481.25	551.95	547.69	547.44	17
16	D	514.51	510.26	510.01	511.18	506.92	506.68	16
17	E	546.77	542.52	542.27	482.42	478.17	477.92	15
18	D	575.53	571.27	571.03	450.16	445.91	445.66	14
19	D	604.29	600.03	599.78	421.41	417.15	416.90	13
20	E	636.55	632.29	632.04	392.65	388.39	388.15	12
21	D	665.30	661.05	660.80	360.39	356.13	355.89	11
22	Y	706.07	701.81	701.57	331.63	327.38	327.13	10
23	D	734.83	730.57	730.32	290.87	286.61	286.36	9
24	D	763.58	759.33	759.08	262.11	257.85	257.61	8
25	D	792.34	788.08	787.84	233.35	229.10	228.85	7
26	N	820.85	816.59	816.35	204.60	200.34	200.09	6
27	D	849.61	845.35	845.11	176.09	171.83	171.58	5
28	H	883.87	879.62	879.37	147.33	143.07	142.83	4
29	H	918.14	913.88	913.63	113.06	108.81	108.56	3
30	H	952.40	948.15	947.90	78.80	74.54	74.30	2

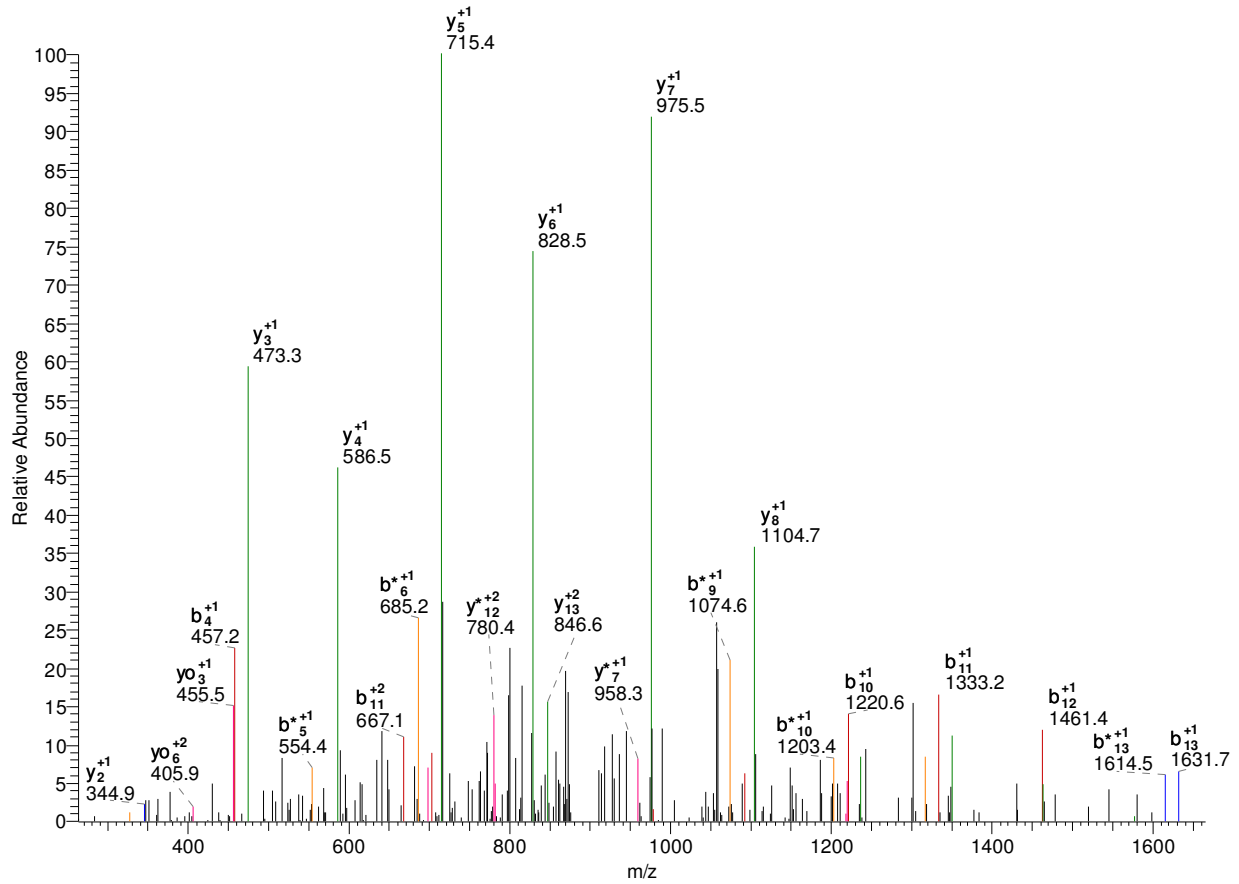
31	R	-	-	-	44.54	40.28	40.03	1
----	---	---	---	---	-------	-------	-------	---

-

1805.86 K.NNNNNMEFIEIQK*R.K

psu|PF11_0197 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11: 178 – 192

#4143-4143 NL: 6.06E1



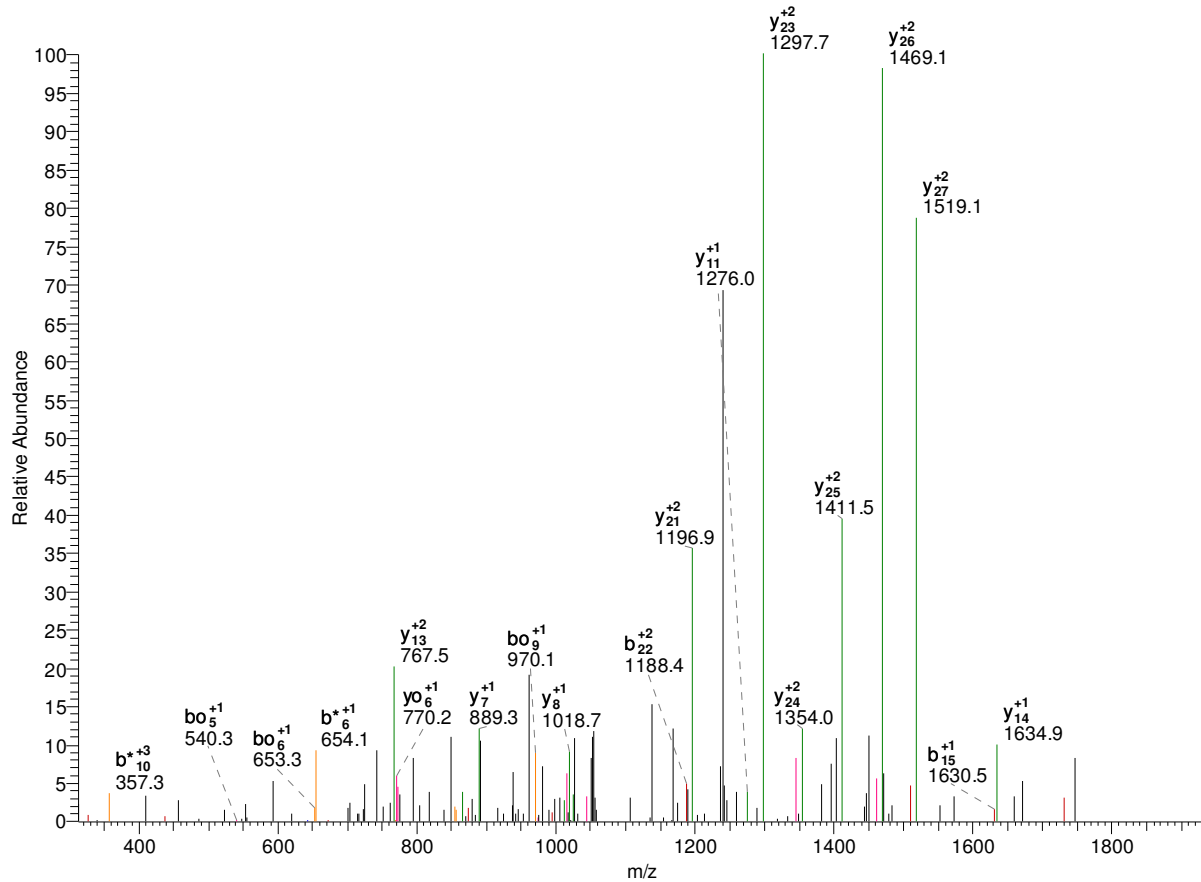
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	14
2	N	229.09	212.07	211.08	1691.82	1674.79	1673.81	13
3	N	343.14	326.11	325.13	1577.77	1560.75	1559.76	12
4	N	457.18	440.15	439.17	1463.73	1446.70	1445.72	11
5	N	571.22	554.20	553.21	1349.69	1332.66	1331.68	10
6	M	702.26	685.24	684.25	1235.65	1218.62	1217.63	9
7	E	831.30	814.28	813.29	1104.60	1087.58	1086.59	8
8	F	978.37	961.35	960.36	975.56	958.54	957.55	7
9	I	1091.46	1074.43	1073.45	828.49	811.47	810.48	6
10	E	1220.50	1203.47	1202.49	715.41	698.38	697.40	5
11	I	1333.58	1316.56	1315.57	586.37	569.34	568.36	4
12	Q	1461.64	1444.62	1443.63	473.28	456.26	455.27	3
13	K*	1631.75	1614.72	1613.74	345.22	328.20	327.21	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	14
2	N	115.05	106.54	106.04	846.41	837.90	837.41	13
3	N	172.07	163.56	163.07	789.39	780.88	780.39	12
4	N	229.09	220.58	220.09	732.37	723.86	723.36	11
5	N	286.11	277.60	277.11	675.35	666.83	666.34	10
6	M	351.63	343.12	342.63	618.33	609.81	609.32	9
7	E	416.16	407.64	407.15	552.81	544.29	543.80	8
8	F	489.69	481.18	480.69	488.28	479.77	479.28	7
9	I	546.23	537.72	537.23	414.75	406.24	405.75	6
10	E	610.75	602.24	601.75	358.21	349.70	349.20	5
11	I	667.30	658.78	658.29	293.69	285.17	284.68	4
12	Q	731.32	722.81	722.32	237.15	228.63	228.14	3
13	K*	816.38	807.86	807.37	173.12	164.60	164.11	2
14	R	-	-	-	88.06	79.55	79.06	1

3264.48 K.NNVDDLDSVVEADVTEESAVETKK*DEVK.T

psu|PFE1590w | organism=Plasmodium_falciparum_3D7 | product=early transcribed membrane protein 5, E 144 – 173

#5209-5209 NL: 6.64E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	29
2	N	229.09	212.07	211.08	3150.43	3133.41	3132.42	28
3	V	328.16	311.13	310.15	3036.39	3019.36	3018.38	27
4	D	443.19	426.16	425.18	2937.32	2920.30	2919.31	26
5	D	558.22	541.19	540.20	2822.29	2805.27	2804.28	25
6	L	671.30	654.27	653.29	2707.27	2690.24	2689.26	24
7	D	786.33	769.30	768.32	2594.18	2577.16	2576.17	23
8	S	873.36	856.33	855.35	2479.16	2462.13	2461.15	22
9	D	988.39	971.36	970.37	2392.12	2375.10	2374.11	21
10	V	1087.45	1070.43	1069.44	2277.10	2260.07	2259.09	20
11	E	1216.50	1199.47	1198.49	2178.03	2161.00	2160.02	19
12	E	1345.54	1328.51	1327.53	2048.99	2031.96	2030.98	18
13	A	1416.58	1399.55	1398.57	1919.94	1902.92	1901.93	17
14	D	1531.60	1514.58	1513.59	1848.91	1831.88	1830.90	16
15	V	1630.67	1613.64	1612.66	1733.88	1716.85	1715.87	15
16	T	1731.72	1714.69	1713.71	1634.81	1617.79	1616.80	14
17	E	1860.76	1843.74	1842.75	1533.76	1516.74	1515.75	13
18	E	1989.80	1972.78	1971.79	1404.72	1387.70	1386.71	12

19	S	2076.84	2059.81	2058.83	1275.68	1258.65	1257.67	11
20	A	2147.87	2130.85	2129.86	1188.65	1171.62	1170.64	10
21	V	2246.94	2229.92	2228.93	1117.61	1100.58	1099.60	9
22	E	2375.98	2358.96	2357.97	1018.54	1001.51	1000.53	8
23	T	2477.03	2460.01	2459.02	889.50	872.47	871.49	7
24	K	2605.13	2588.10	2587.12	788.45	771.42	770.44	6
25	K*	2775.23	2758.21	2757.22	660.36	643.33	642.35	5
26	D	2890.26	2873.23	2872.25	490.25	473.22	472.24	4
27	E	3019.30	3002.28	3001.29	375.22	358.20	357.21	3
28	V	3118.37	3101.34	3100.36	246.18	229.15	228.17	2
29	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	29
2	N	115.05	106.54	106.04	1575.72	1567.21	1566.71	28
3	V	164.58	156.07	155.58	1518.70	1510.19	1509.69	27
4	D	222.10	213.58	213.09	1469.16	1460.65	1460.16	26
5	D	279.61	271.10	270.61	1411.65	1403.14	1402.65	25
6	L	336.15	327.64	327.15	1354.14	1345.62	1345.13	24
7	D	393.67	385.15	384.66	1297.60	1289.08	1288.59	23
8	S	437.18	428.67	428.18	1240.08	1231.57	1231.08	22
9	D	494.70	486.18	485.69	1196.57	1188.05	1187.56	21
10	V	544.23	535.72	535.23	1139.05	1130.54	1130.05	20
11	E	608.75	600.24	599.75	1089.52	1081.01	1080.51	19
12	E	673.27	664.76	664.27	1025.00	1016.48	1015.99	18
13	A	708.79	700.28	699.79	960.48	951.96	951.47	17
14	D	766.31	757.79	757.30	924.96	916.44	915.95	16
15	V	815.84	807.33	806.83	867.44	858.93	858.44	15
16	T	866.36	857.85	857.36	817.91	809.40	808.90	14
17	E	930.88	922.37	921.88	767.39	758.87	758.38	13
18	E	995.41	986.89	986.40	702.86	694.35	693.86	12
19	S	1038.92	1030.41	1029.92	638.34	629.83	629.34	11
20	A	1074.44	1065.93	1065.44	594.83	586.31	585.82	10
21	V	1123.97	1115.46	1114.97	559.31	550.80	550.30	9
22	E	1188.50	1179.98	1179.49	509.77	501.26	500.77	8
23	T	1239.02	1230.51	1230.01	445.25	436.74	436.25	7
24	K	1303.07	1294.55	1294.06	394.73	386.22	385.72	6
25	K*	1388.12	1379.61	1379.11	330.68	322.17	321.68	5
26	D	1445.63	1437.12	1436.63	245.63	237.12	236.62	4
27	E	1510.15	1501.64	1501.15	188.12	179.60	179.11	3
28	V	1559.69	1551.18	1550.68	123.59	115.08	114.59	2
29	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	29
2	N	77.04	71.36	71.03	1050.82	1045.14	1044.81	28
3	V	110.06	104.38	104.06	1012.80	1007.13	1006.80	27
4	D	148.40	142.73	142.40	979.78	974.10	973.78	26
5	D	186.74	181.07	180.74	941.44	935.76	935.43	25
6	L	224.44	218.76	218.43	903.09	897.42	897.09	24
7	D	262.78	257.10	256.78	865.40	859.72	859.40	23
8	S	291.79	286.12	285.79	827.06	821.38	821.05	22
9	D	330.13	324.46	324.13	798.05	792.37	792.04	21
10	V	363.16	357.48	357.15	759.70	754.03	753.70	20

11	E	406.17	400.49	400.17	726.68	721.01	720.68	19
12	E	449.18	443.51	443.18	683.67	677.99	677.66	18
13	A	472.86	467.19	466.86	640.65	634.98	634.65	17
14	D	511.21	505.53	505.20	616.97	611.30	610.97	16
15	V	544.23	538.55	538.23	578.63	572.96	572.63	15
16	T	577.91	572.24	571.91	545.61	539.93	539.61	14
17	E	620.93	615.25	614.92	511.93	506.25	505.92	13
18	E	663.94	658.26	657.94	468.91	463.24	462.91	12
19	S	692.95	687.27	686.95	425.90	420.22	419.89	11
20	A	716.63	710.95	710.63	396.89	391.21	390.88	10
21	V	749.65	743.98	743.65	373.21	367.53	367.20	9
22	E	792.67	786.99	786.66	340.19	334.51	334.18	8
23	T	826.35	820.67	820.35	297.17	291.50	291.17	7
24	K	869.05	863.37	863.04	263.49	257.81	257.49	6
25	K*	925.75	920.07	919.75	220.79	215.11	214.79	5
26	D	964.09	958.42	958.09	164.09	158.41	158.08	4
27	E	1007.11	1001.43	1001.10	125.75	120.07	119.74	3
28	V	1040.13	1034.45	1034.12	82.73	77.06	76.73	2
29	K	-	-	-	49.71	44.03	43.71	1

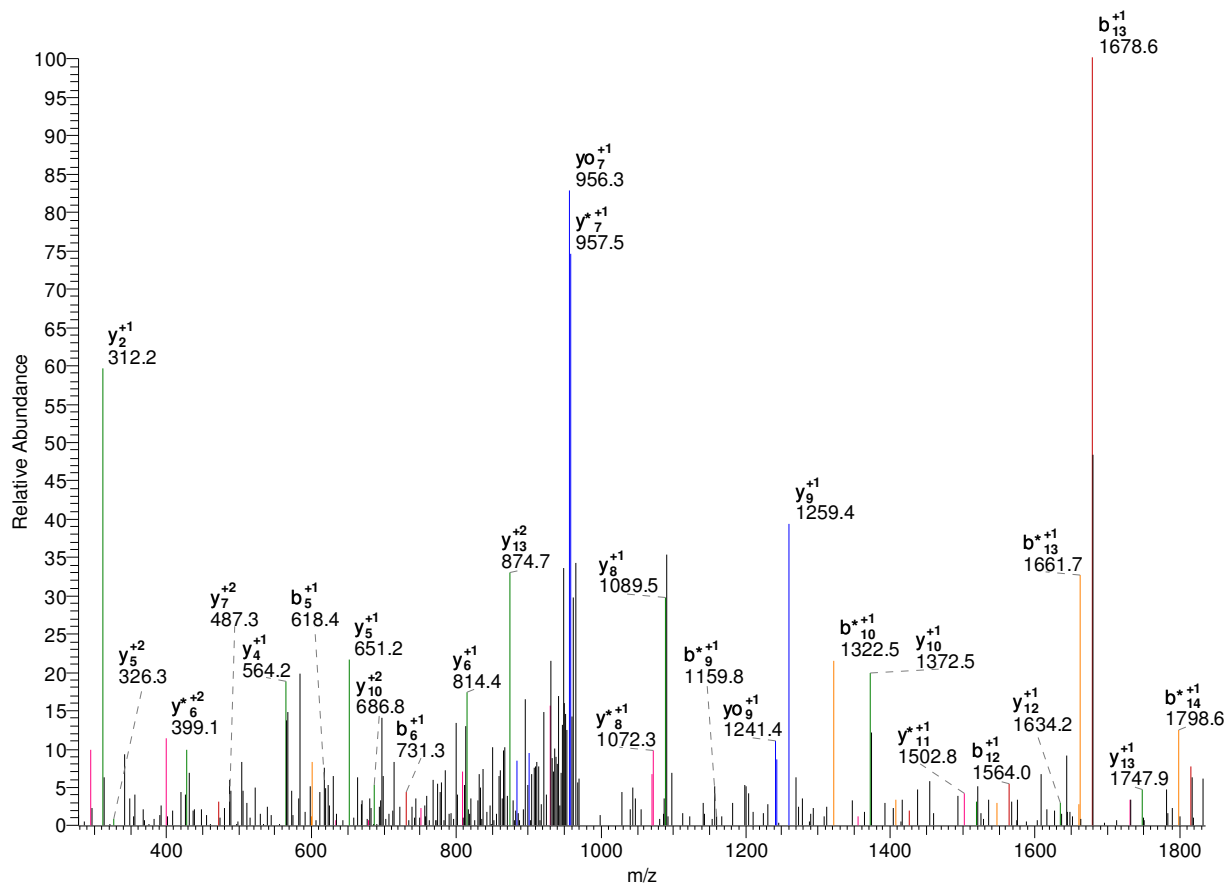
-

1989.86

K.NQNNFIK*DC@YSHDHR.H

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 1618 – 1633

#2056-2056 NL: 8.29E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	15
2	Q	243.11	226.08	225.10	1875.82	1858.79	1857.81	14
3	N	357.15	340.13	339.14	1747.76	1730.73	1729.75	13
4	N	471.19	454.17	453.18	1633.72	1616.69	1615.71	12
5	F	618.26	601.24	600.25	1519.67	1502.65	1501.66	11
6	I	731.35	714.32	713.34	1372.61	1355.58	1354.60	10
7	K*	901.45	884.43	883.44	1259.52	1242.50	1241.51	9
8	D	1016.48	999.45	998.47	1089.42	1072.39	1071.41	8
9	C@	1176.51	1159.48	1158.50	974.39	957.36	956.38	7
10	Y	1339.57	1322.55	1321.56	814.36	797.33	796.35	6
11	S	1426.61	1409.58	1408.60	651.30	634.27	633.29	5
12	H	1563.66	1546.64	1545.65	564.26	547.24	546.25	4
13	D	1678.69	1661.66	1660.68	427.20	410.18	409.19	3
14	H	1815.75	1798.72	1797.74	312.18	295.15	294.17	2
15	R	-	-	-	175.12	158.09	157.11	1

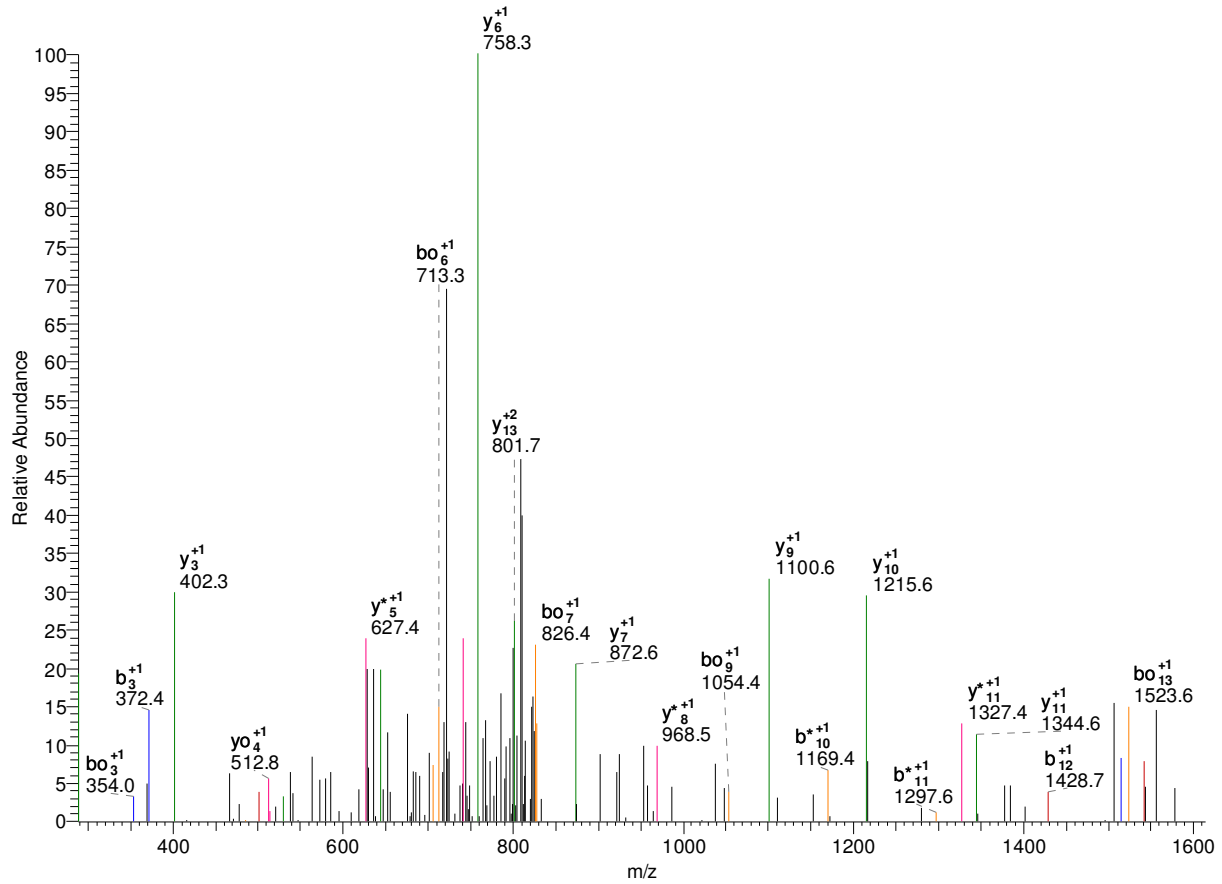
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	15
2	Q	122.06	113.54	113.05	938.41	929.90	929.41	14
3	N	179.08	170.57	170.07	874.38	865.87	865.38	13
4	N	236.10	227.59	227.10	817.36	808.85	808.36	12
5	F	309.64	301.12	300.63	760.34	751.83	751.34	11
6	I	366.18	357.66	357.17	686.81	678.29	677.80	10
7	K*	451.23	442.72	442.22	630.26	621.75	621.26	9
8	D	508.74	500.23	499.74	545.21	536.70	536.21	8
9	C@	588.76	580.25	579.75	487.70	479.19	478.69	7
10	Y	670.29	661.78	661.29	407.68	399.17	398.68	6
11	S	713.81	705.29	704.80	326.15	317.64	317.15	5
12	H	782.34	773.82	773.33	282.64	274.12	273.63	4
13	D	839.85	831.34	830.84	214.11	205.59	205.10	3
14	H	908.38	899.87	899.37	156.59	148.08	147.59	2
15	R	-	-	-	88.06	79.55	79.06	1

-

1715.79 K.NSK*EDDLNNNQNL.R.S

psu|PF14_0315 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 1793 – 1807

#953-953 NL: 3.62E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	14
2	S	202.08	185.06	184.07	1601.75	1584.72	1583.74	13
3	K*	372.19	355.16	354.18	1514.72	1497.69	1496.71	12
4	E	501.23	484.20	483.22	1344.61	1327.59	1326.60	11
5	D	616.26	599.23	598.25	1215.57	1198.54	1197.56	10
6	D	731.28	714.26	713.27	1100.54	1083.52	1082.53	9
7	L	844.37	827.34	826.36	985.52	968.49	967.51	8
8	N	958.41	941.38	940.40	872.43	855.41	854.42	7
9	N	1072.45	1055.43	1054.44	758.39	741.36	740.38	6
10	N	1186.50	1169.47	1168.49	644.35	627.32	626.34	5
11	Q	1314.56	1297.53	1296.55	530.30	513.28	512.29	4
12	N	1428.60	1411.57	1410.59	402.25	385.22	384.24	3
13	L	1541.68	1524.66	1523.67	288.20	271.18	270.19	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	14
2	S	101.54	93.03	92.54	801.38	792.87	792.37	13
3	K*	186.60	178.08	177.59	757.86	749.35	748.86	12
4	E	251.12	242.61	242.11	672.81	664.30	663.81	11
5	D	308.63	300.12	299.63	608.29	599.78	599.28	10
6	D	366.15	357.63	357.14	550.78	542.26	541.77	9
7	L	422.69	414.17	413.68	493.26	484.75	484.26	8
8	N	479.71	471.20	470.70	436.72	428.21	427.72	7
9	N	536.73	528.22	527.73	379.70	371.19	370.69	6
10	N	593.75	585.24	584.75	322.68	314.16	313.67	5
11	Q	657.78	649.27	648.78	265.66	257.14	256.65	4
12	N	714.80	706.29	705.80	201.63	193.11	192.62	3
13	L	771.34	762.83	762.34	144.61	136.09	135.60	2
14	R	-	-	-	88.06	79.55	79.06	1

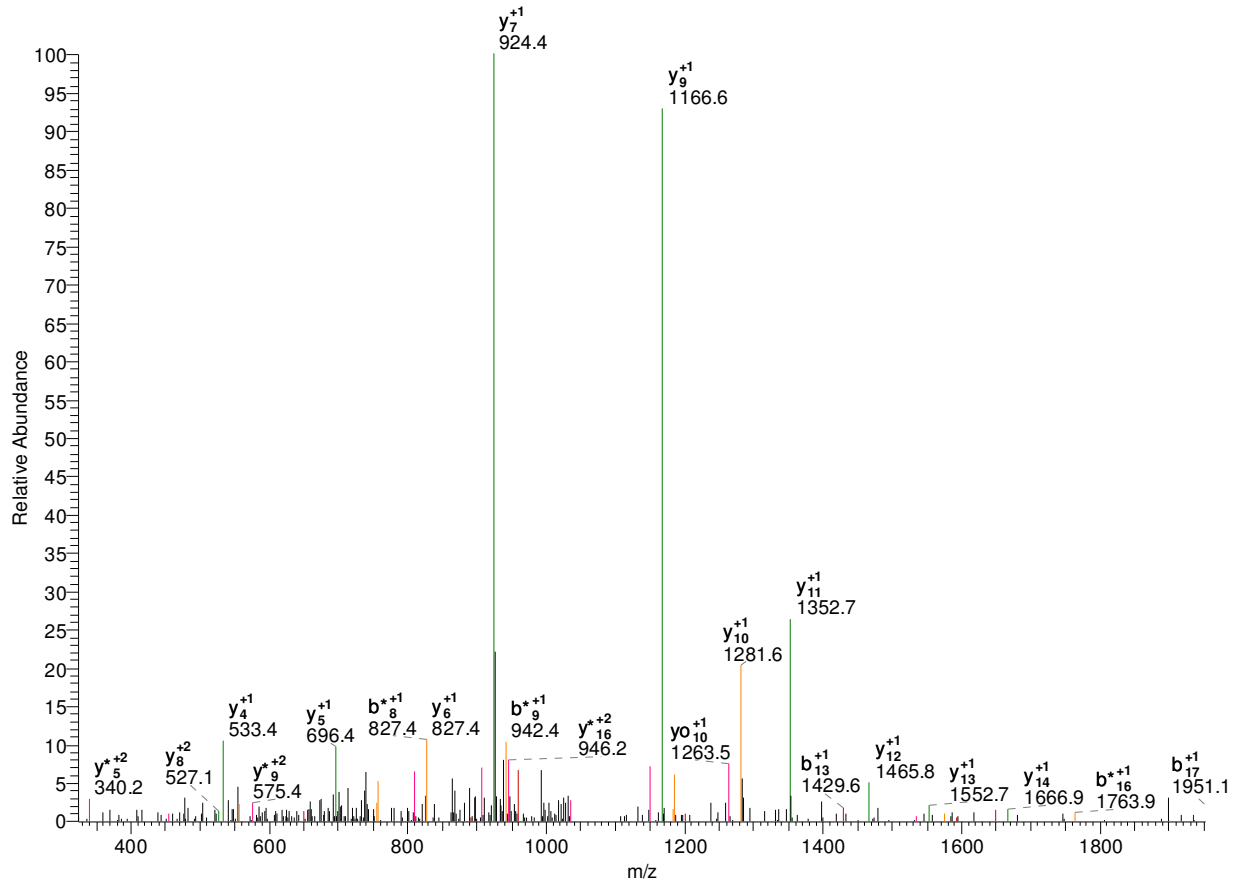
1	N	58.03	49.52	49.02	-	-	-	12
2	T	108.55	100.04	99.55	718.34	709.83	709.34	11
3	E	173.07	164.56	164.07	667.82	659.31	658.82	10
4	N	230.10	221.58	221.09	603.30	594.79	594.29	9
5	N	287.12	278.60	278.11	546.28	537.76	537.27	8
6	E	351.64	343.12	342.63	489.26	480.74	480.25	7
7	F	425.17	416.66	416.17	424.73	416.22	415.73	6
8	E	489.69	481.18	480.69	351.20	342.69	342.20	5
9	N	546.72	538.20	537.71	286.68	278.17	277.67	4
10	I	603.26	594.74	594.25	229.66	221.14	220.65	3
11	K	667.30	658.79	658.30	173.12	164.60	164.11	2
12	R*	-	-	-	109.07	100.56	100.06	1

-

2124.98 K.SEQNNSLADNKPMYGMK*R.K

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 2303 – 2321

#2579-2579 NL: 2.57E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	18
2	E	217.08	200.06	199.07	2037.95	2020.92	2019.94	17
3	Q	345.14	328.11	327.13	1908.91	1891.88	1890.89	16
4	N	459.18	442.16	441.17	1780.85	1763.82	1762.84	15
5	N	573.23	556.20	555.22	1666.80	1649.78	1648.79	14
6	S	660.26	643.23	642.25	1552.76	1535.73	1534.75	13
7	L	773.34	756.32	755.33	1465.73	1448.70	1447.72	12
8	A	844.38	827.35	826.37	1352.64	1335.62	1334.63	11
9	D	959.41	942.38	941.40	1281.61	1264.58	1263.60	10
10	N	1073.45	1056.42	1055.44	1166.58	1149.55	1148.57	9
11	K	1201.54	1184.52	1183.53	1052.54	1035.51	1034.53	8
12	P	1298.60	1281.57	1280.59	924.44	907.42	906.43	7
13	M	1429.64	1412.61	1411.63	827.39	810.36	809.38	6
14	Y	1592.70	1575.67	1574.69	696.35	679.32	678.34	5
15	G	1649.72	1632.70	1631.71	533.29	516.26	515.28	4
16	M	1780.76	1763.74	1762.75	476.26	459.24	458.25	3
17	K*	1950.87	1933.84	1932.86	345.22	328.20	327.21	2

18	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

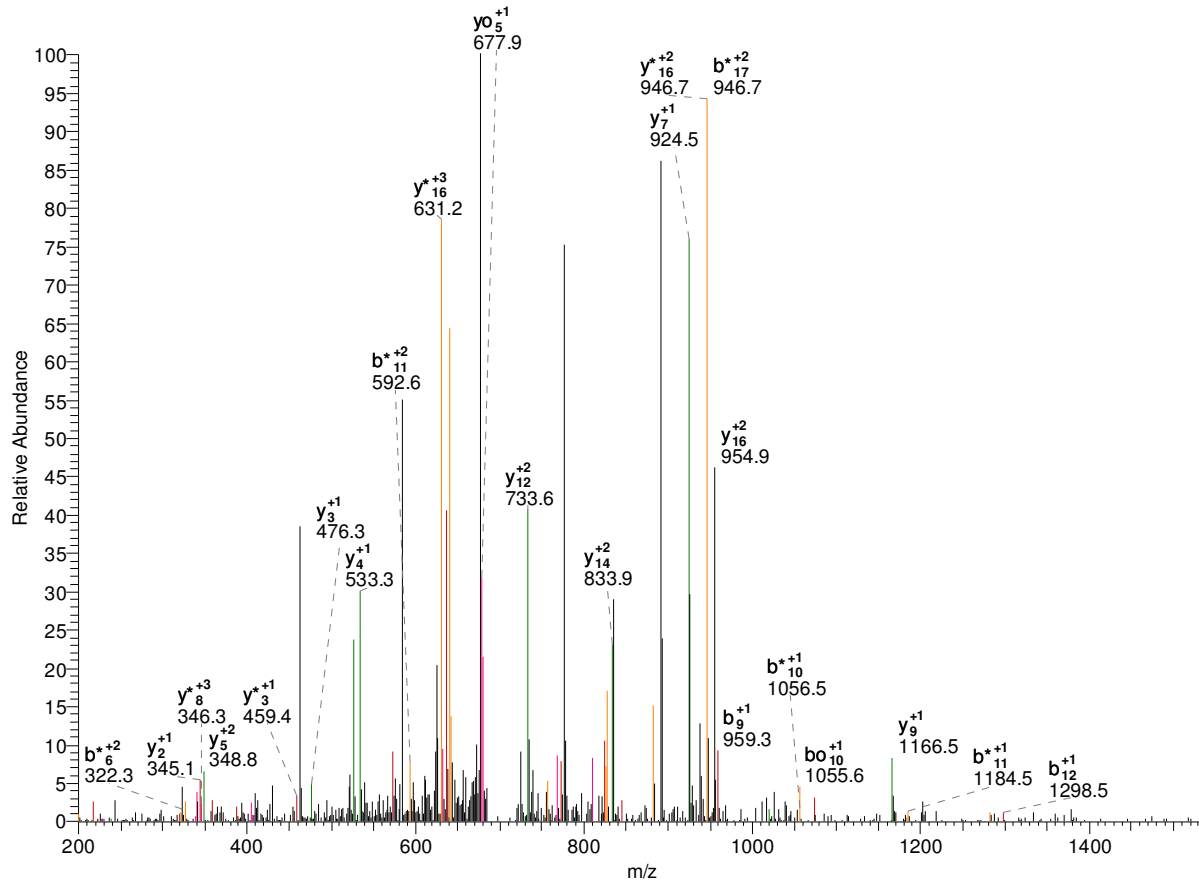
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	18
2	E	109.04	100.53	100.04	1019.48	1010.96	1010.47	17
3	Q	173.07	164.56	164.07	954.96	946.44	945.95	16
4	N	230.10	221.58	221.09	890.93	882.41	881.92	15
5	N	287.12	278.60	278.11	833.91	825.39	824.90	14
6	S	330.63	322.12	321.63	776.88	768.37	767.88	13
7	L	387.17	378.66	378.17	733.37	724.85	724.36	12
8	A	422.69	414.18	413.69	676.83	668.31	667.82	11
9	D	480.21	471.69	471.20	641.31	632.79	632.30	10
10	N	537.23	528.72	528.22	583.79	575.28	574.79	9
11	K	601.28	592.76	592.27	526.77	518.26	517.77	8
12	P	649.80	641.29	640.80	462.73	454.21	453.72	7
13	M	715.32	706.81	706.32	414.20	405.69	405.19	6
14	Y	796.85	788.34	787.85	348.68	340.17	339.67	5
15	G	825.36	816.85	816.36	267.15	258.63	258.14	4
16	M	890.89	882.37	881.88	238.64	230.12	229.63	3
17	K*	975.94	967.42	966.93	173.12	164.60	164.11	2
18	R	-	-	-	88.06	79.55	79.06	1

-

2124.98 K.SEQNNSLADNKPMYGMKR*.K

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 2303 – 2321

#2176-2176 NL: 4.65E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	18
2	E	217.08	200.06	199.07	2037.95	2020.92	2019.94	17
3	Q	345.14	328.11	327.13	1908.91	1891.88	1890.89	16
4	N	459.18	442.16	441.17	1780.85	1763.82	1762.84	15
5	N	573.23	556.20	555.22	1666.80	1649.78	1648.79	14
6	S	660.26	643.23	642.25	1552.76	1535.73	1534.75	13
7	L	773.34	756.32	755.33	1465.73	1448.70	1447.72	12
8	A	844.38	827.35	826.37	1352.64	1335.62	1334.63	11
9	D	959.41	942.38	941.40	1281.61	1264.58	1263.60	10
10	N	1073.45	1056.42	1055.44	1166.58	1149.55	1148.57	9
11	K	1201.54	1184.52	1183.53	1052.54	1035.51	1034.53	8
12	P	1298.60	1281.57	1280.59	924.44	907.42	906.43	7
13	M	1429.64	1412.61	1411.63	827.39	810.36	809.38	6
14	Y	1592.70	1575.67	1574.69	696.35	679.32	678.34	5
15	G	1649.72	1632.70	1631.71	533.29	516.26	515.28	4
16	M	1780.76	1763.74	1762.75	476.26	459.24	458.25	3
17	K	1908.86	1891.83	1890.85	345.22	328.20	327.21	2

18	R*	-	-	-	217.13	200.10	199.12	1
----	----	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	18
2	E	109.04	100.53	100.04	1019.48	1010.96	1010.47	17
3	Q	173.07	164.56	164.07	954.96	946.44	945.95	16
4	N	230.10	221.58	221.09	890.93	882.41	881.92	15
5	N	287.12	278.60	278.11	833.91	825.39	824.90	14
6	S	330.63	322.12	321.63	776.88	768.37	767.88	13
7	L	387.17	378.66	378.17	733.37	724.85	724.36	12
8	A	422.69	414.18	413.69	676.83	668.31	667.82	11
9	D	480.21	471.69	471.20	641.31	632.79	632.30	10
10	N	537.23	528.72	528.22	583.79	575.28	574.79	9
11	K	601.28	592.76	592.27	526.77	518.26	517.77	8
12	P	649.80	641.29	640.80	462.73	454.21	453.72	7
13	M	715.32	706.81	706.32	414.20	405.69	405.19	6
14	Y	796.85	788.34	787.85	348.68	340.17	339.67	5
15	G	825.36	816.85	816.36	267.15	258.63	258.14	4
16	M	890.89	882.37	881.88	238.64	230.12	229.63	3
17	K	954.93	946.42	945.93	173.12	164.60	164.11	2
18	R*	-	-	-	109.07	100.56	100.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	S	30.02	24.34	24.01	-	-	-	18
2	E	73.03	67.36	67.03	679.99	674.31	673.98	17
3	Q	115.72	110.04	109.71	636.97	631.30	630.97	16
4	N	153.73	148.06	147.73	594.29	588.61	588.28	15
5	N	191.75	186.07	185.74	556.27	550.60	550.27	14
6	S	220.76	215.08	214.75	518.26	512.58	512.26	13
7	L	258.45	252.78	252.45	489.25	483.57	483.24	12
8	A	282.13	276.46	276.13	451.55	445.88	445.55	11
9	D	320.47	314.80	314.47	427.87	422.20	421.87	10
10	N	358.49	352.81	352.48	389.53	383.86	383.53	9
11	K	401.19	395.51	395.18	351.52	345.84	345.51	8
12	P	433.54	427.86	427.53	308.82	303.14	302.82	7
13	M	477.22	471.54	471.21	276.47	270.79	270.46	6
14	Y	531.57	525.90	525.57	232.79	227.11	226.78	5
15	G	550.58	544.90	544.58	178.43	172.76	172.43	4
16	M	594.26	588.58	588.26	159.43	153.75	153.42	3
17	K	636.96	631.28	630.95	115.75	110.07	109.74	2
18	R*	-	-	-	73.05	67.37	67.04	1

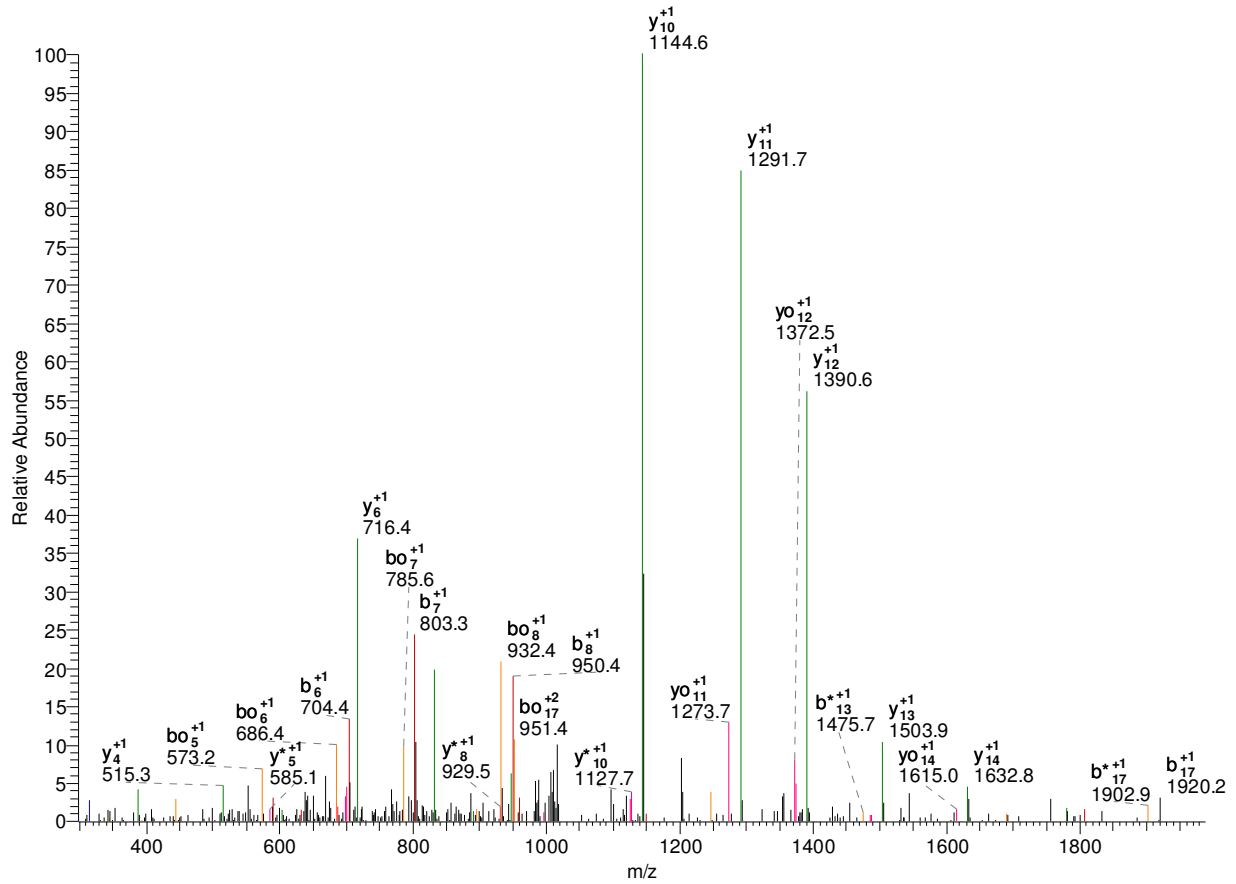
-

2094.05

K.SGK*FEIVFTPDDNSQVLR.E

psu|PF13_0242 | organism=Plasmodium_falciparum_3D7 | product=isocitrate dehydrogenase (NADP), mitoc 177 – 195

#6476-6476 NL: 2.57E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	18
2	G	145.06	128.03	127.05	2007.02	1989.99	1989.01	17
3	K*	315.17	298.14	297.16	1950.00	1932.97	1931.99	16
4	F	462.23	445.21	444.22	1779.89	1762.86	1761.88	15
5	E	591.28	574.25	573.27	1632.82	1615.80	1614.81	14
6	I	704.36	687.33	686.35	1503.78	1486.75	1485.77	13
7	V	803.43	786.40	785.42	1390.70	1373.67	1372.69	12
8	F	950.50	933.47	932.49	1291.63	1274.60	1273.62	11
9	T	1051.55	1034.52	1033.54	1144.56	1127.53	1126.55	10
10	P	1148.60	1131.57	1130.59	1043.51	1026.49	1025.50	9
11	D	1263.63	1246.60	1245.62	946.46	929.43	928.45	8
12	D	1378.65	1361.63	1360.64	831.43	814.41	813.42	7
13	N	1492.70	1475.67	1474.68	716.40	699.38	698.39	6
14	S	1579.73	1562.70	1561.72	602.36	585.34	584.35	5
15	Q	1707.79	1690.76	1689.78	515.33	498.30	497.32	4
16	V	1806.85	1789.83	1788.84	387.27	370.24	369.26	3
17	L	1919.94	1902.91	1901.93	288.20	271.18	270.19	2

18	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

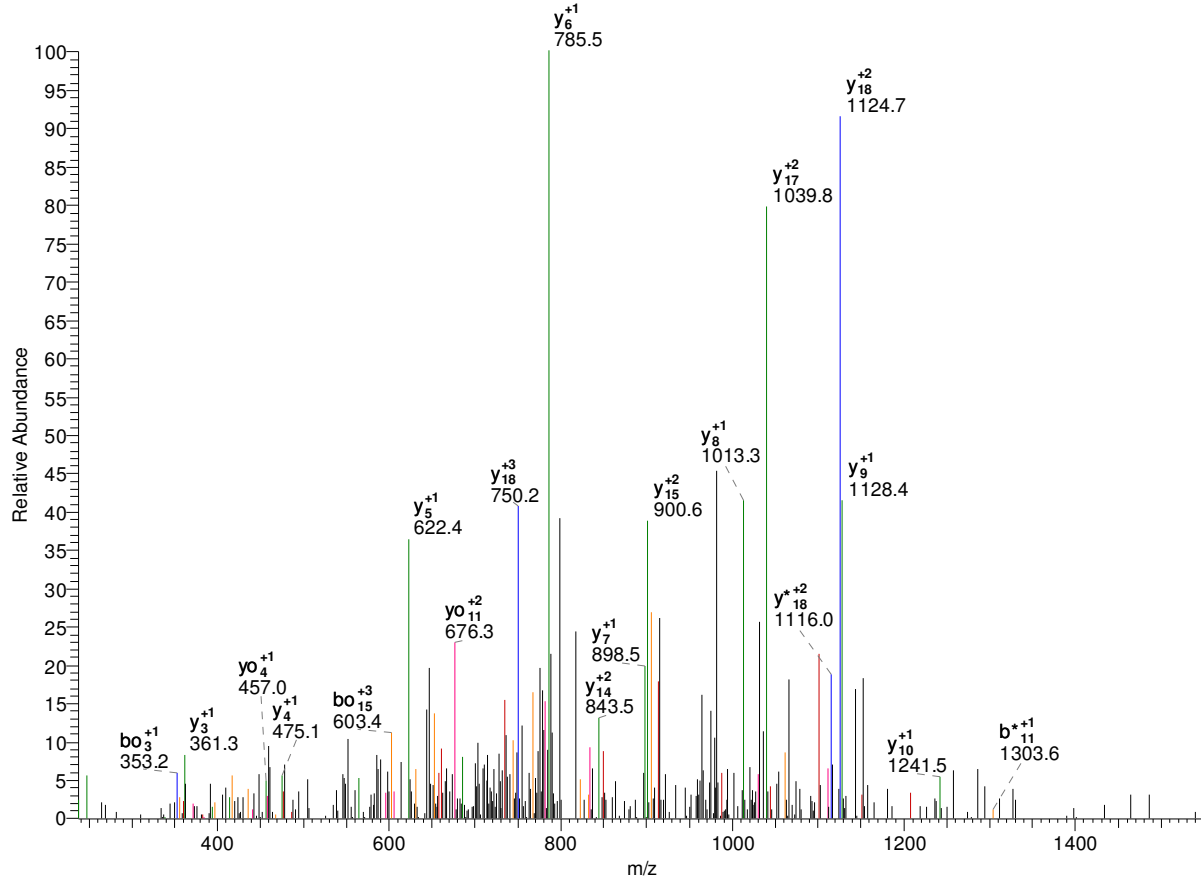
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	18
2	G	73.03	64.52	64.03	1004.01	995.50	995.01	17
3	K*	158.09	149.57	149.08	975.50	966.99	966.50	16
4	F	231.62	223.11	222.62	890.45	881.94	881.44	15
5	E	296.14	287.63	287.14	816.92	808.40	807.91	14
6	I	352.68	344.17	343.68	752.39	743.88	743.39	13
7	V	402.22	393.71	393.21	695.85	687.34	686.85	12
8	F	475.75	467.24	466.75	646.32	637.80	637.31	11
9	T	526.28	517.76	517.27	572.78	564.27	563.78	10
10	P	574.80	566.29	565.80	522.26	513.75	513.25	9
11	D	632.32	623.80	623.31	473.73	465.22	464.73	8
12	D	689.83	681.32	680.82	416.22	407.71	407.21	7
13	N	746.85	738.34	737.85	358.71	350.19	349.70	6
14	S	790.37	781.85	781.36	301.68	293.17	292.68	5
15	Q	854.40	845.88	845.39	258.17	249.66	249.16	4
16	V	903.93	895.42	894.93	194.14	185.63	185.13	3
17	L	960.47	951.96	951.47	144.61	136.09	135.60	2
18	R	-	-	-	88.06	79.55	79.06	1

-

2448.23 K.SLK*DYNSTQKLDDIYFNITK.D

psu|PF07_0087 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | loca 196 – 216

#7583-7583 NL: 1.02E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	20
2	L	201.12	184.10	183.11	2361.20	2344.17	2343.19	19
3	K*	371.23	354.20	353.22	2248.11	2231.09	2230.10	18
4	D	486.26	469.23	468.25	2078.01	2060.98	2060.00	17
5	Y	649.32	632.29	631.31	1962.98	1945.95	1944.97	16
6	N	763.36	746.34	745.35	1799.92	1782.89	1781.91	15
7	S	850.39	833.37	832.38	1685.87	1668.85	1667.86	14
8	T	951.44	934.42	933.43	1598.84	1581.82	1580.83	13
9	Q	1079.50	1062.47	1061.49	1497.79	1480.77	1479.78	12
10	K	1207.60	1190.57	1189.58	1369.74	1352.71	1351.73	11
11	L	1320.68	1303.65	1302.67	1241.64	1224.61	1223.63	10
12	D	1435.71	1418.68	1417.70	1128.56	1111.53	1110.55	9
13	D	1550.73	1533.71	1532.72	1013.53	996.50	995.52	8
14	I	1663.82	1646.79	1645.81	898.50	881.48	880.49	7
15	Y	1826.88	1809.85	1808.87	785.42	768.39	767.41	6
16	F	1973.95	1956.92	1955.94	622.36	605.33	604.35	5
17	N	2087.99	2070.97	2069.98	475.29	458.26	457.28	4
18	I	2201.08	2184.05	2183.07	361.24	344.22	343.23	3

19	T	2302.12	2285.10	2284.11	248.16	231.13	230.15	2
20	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	20
2	L	101.07	92.55	92.06	1181.10	1172.59	1172.10	19
3	K*	186.12	177.60	177.11	1124.56	1116.05	1115.55	18
4	D	243.63	235.12	234.63	1039.51	1030.99	1030.50	17
5	Y	325.16	316.65	316.16	981.99	973.48	972.99	16
6	N	382.18	373.67	373.18	900.46	891.95	891.46	15
7	S	425.70	417.19	416.70	843.44	834.93	834.44	14
8	T	476.22	467.71	467.22	799.92	791.41	790.92	13
9	Q	540.25	531.74	531.25	749.40	740.89	740.40	12
10	K	604.30	595.79	595.30	685.37	676.86	676.37	11
11	L	660.84	652.33	651.84	621.32	612.81	612.32	10
12	D	718.36	709.84	709.35	564.78	556.27	555.78	9
13	D	775.87	767.36	766.87	507.27	498.76	498.26	8
14	I	832.41	823.90	823.41	449.76	441.24	440.75	7
15	Y	913.94	905.43	904.94	393.21	384.70	384.21	6
16	F	987.48	978.96	978.47	311.68	303.17	302.68	5
17	N	1044.50	1035.99	1035.49	238.15	229.63	229.14	4
18	I	1101.04	1092.53	1092.04	181.13	172.61	172.12	3
19	T	1151.57	1143.05	1142.56	124.58	116.07	115.58	2
20	K	-	-	-	74.06	65.55	65.05	1

-

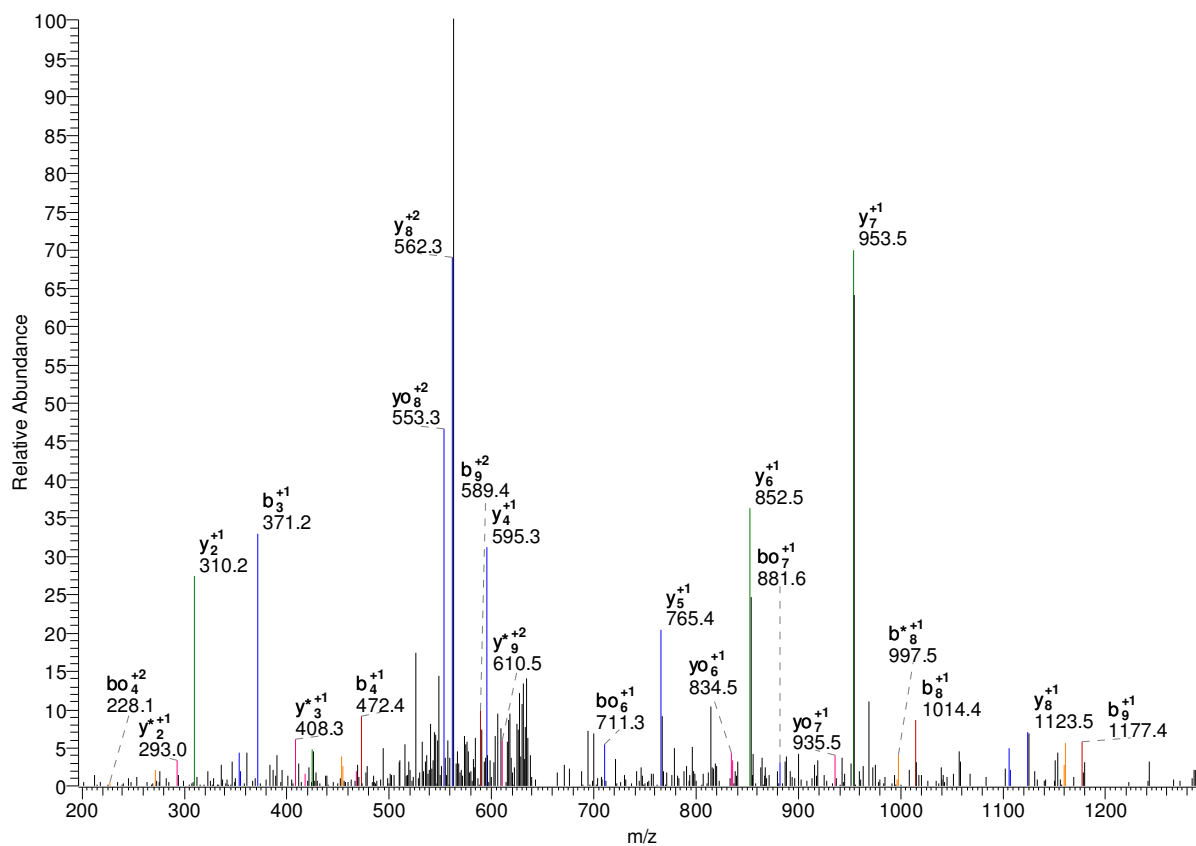
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	S	30.02	24.34	24.01	-	-	-	20
2	L	67.71	62.04	61.71	787.74	782.06	781.73	19
3	K*	124.41	118.74	118.41	750.04	744.37	744.04	18
4	D	162.76	157.08	156.75	693.34	687.67	687.34	17
5	Y	217.11	211.44	211.11	655.00	649.32	648.99	16
6	N	255.13	249.45	249.12	600.64	594.97	594.64	15
7	S	284.14	278.46	278.13	562.63	556.95	556.63	14
8	T	317.82	312.14	311.82	533.62	527.94	527.62	13
9	Q	360.50	354.83	354.50	499.94	494.26	493.93	12
10	K	403.20	397.53	397.20	457.25	451.57	451.25	11
11	L	440.90	435.22	434.89	414.55	408.88	408.55	10
12	D	479.24	473.56	473.24	376.86	371.18	370.85	9
13	D	517.58	511.91	511.58	338.51	332.84	332.51	8
14	I	555.28	549.60	549.27	300.17	294.50	294.17	7
15	Y	609.63	603.96	603.63	262.48	256.80	256.47	6
16	F	658.65	652.98	652.65	208.12	202.45	202.12	5
17	N	696.67	690.99	690.67	159.10	153.43	153.10	4
18	I	734.36	728.69	728.36	121.09	115.41	115.08	3
19	T	768.05	762.37	762.04	83.39	77.72	77.39	2
20	K	-	-	-	49.71	44.03	43.71	1

-

1323.72 K.SLK*TSK*K*DYK.I

psu|PF10_0143 | organism=Plasmodium_falciparum_3D7 | product=transcriptional activator ADA2, putati 1871 - 1881

#1736-1736 NL: 2.18E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	10
2	L	201.12	184.10	183.11	1236.68	1219.66	1218.67	9
3	K*	371.23	354.20	353.22	1123.60	1106.57	1105.59	8
4	T	472.28	455.25	454.27	953.49	936.47	935.48	7
5	S	559.31	542.28	541.30	852.45	835.42	834.44	6
6	K*	729.41	712.39	711.40	765.41	748.39	747.40	5
7	K*	899.52	882.49	881.51	595.31	578.28	577.30	4
8	D	1014.55	997.52	996.54	425.20	408.18	407.19	3
9	Y	1177.61	1160.58	1159.60	310.18	293.15	292.17	2
10	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

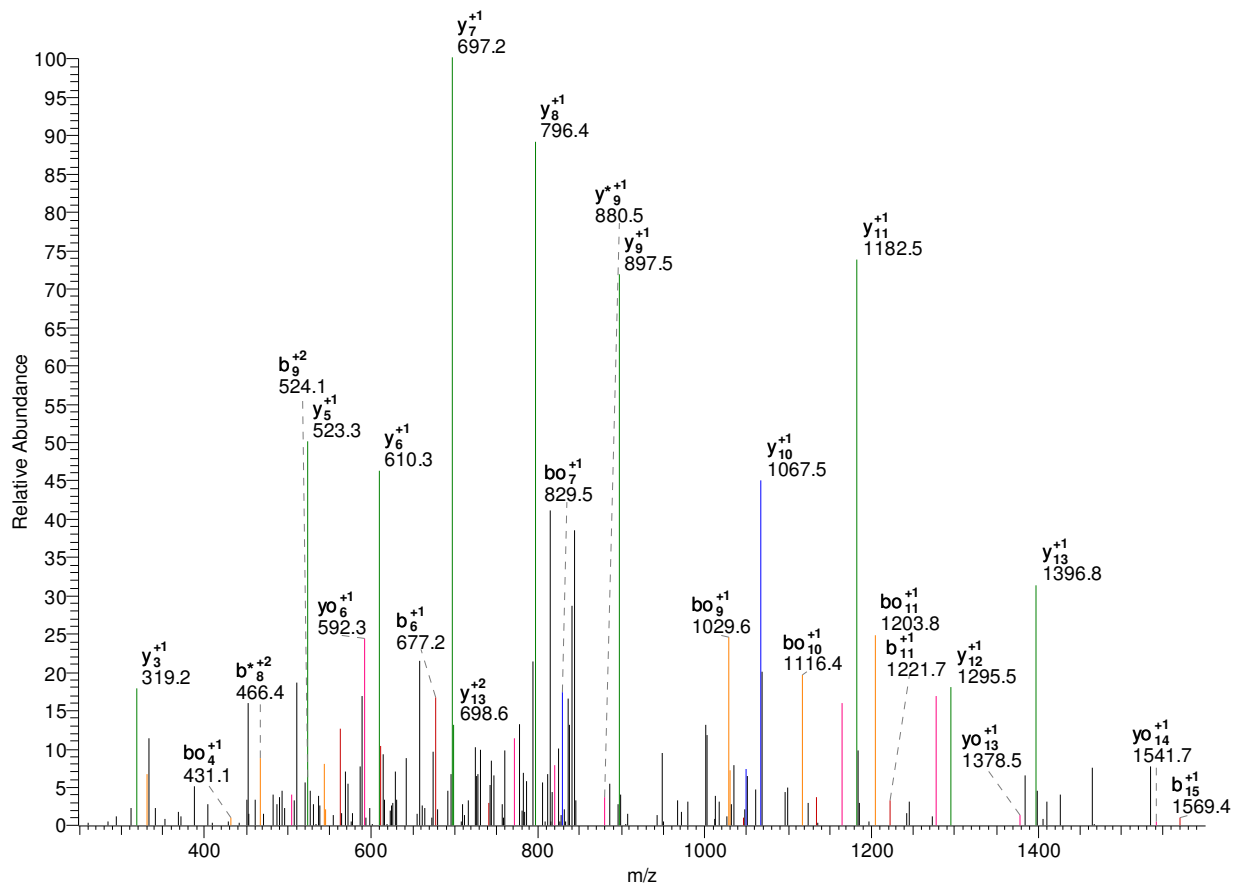
1	S	44.52	36.01	35.52	-	-	-	10
2	L	101.07	92.55	92.06	618.85	610.33	609.84	9
3	K*	186.12	177.60	177.11	562.30	553.79	553.30	8
4	T	236.64	228.13	227.64	477.25	468.74	468.25	7
5	S	280.16	271.64	271.15	426.73	418.21	417.72	6
6	K*	365.21	356.70	356.21	383.21	374.70	374.21	5
7	K*	450.26	441.75	441.26	298.16	289.64	289.15	4
8	D	507.78	499.26	498.77	213.11	204.59	204.10	3
9	Y	589.31	580.80	580.30	155.59	147.08	146.59	2
10	K	-	-	-	74.06	65.55	65.05	1

-

1743.85 K.SPYTLDK*TVSSGFGR.S

psu|PF11_0246 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11: 449 – 465

#3988-3988 NL: 5.02E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	16
2	P	185.09	168.07	167.08	1656.82	1639.80	1638.81	15
3	Y	348.16	331.13	330.14	1559.77	1542.74	1541.76	14
4	T	449.20	432.18	431.19	1396.71	1379.68	1378.70	13
5	L	562.29	545.26	544.28	1295.66	1278.63	1277.65	12
6	D	677.31	660.29	659.30	1182.57	1165.55	1164.56	11
7	K*	847.42	830.39	829.41	1067.55	1050.52	1049.54	10
8	T	948.47	931.44	930.46	897.44	880.42	879.43	9
9	V	1047.54	1030.51	1029.53	796.39	779.37	778.38	8
10	S	1134.57	1117.54	1116.56	697.33	680.30	679.32	7
11	S	1221.60	1204.57	1203.59	610.29	593.27	592.28	6
12	G	1278.62	1261.59	1260.61	523.26	506.24	505.25	5
13	F	1425.69	1408.66	1407.68	466.24	449.21	448.23	4
14	G	1482.71	1465.68	1464.70	319.17	302.15	301.16	3
15	S	1569.74	1552.72	1551.73	262.15	245.12	244.14	2
16	R	-	-	-	175.12	158.09	157.11	1

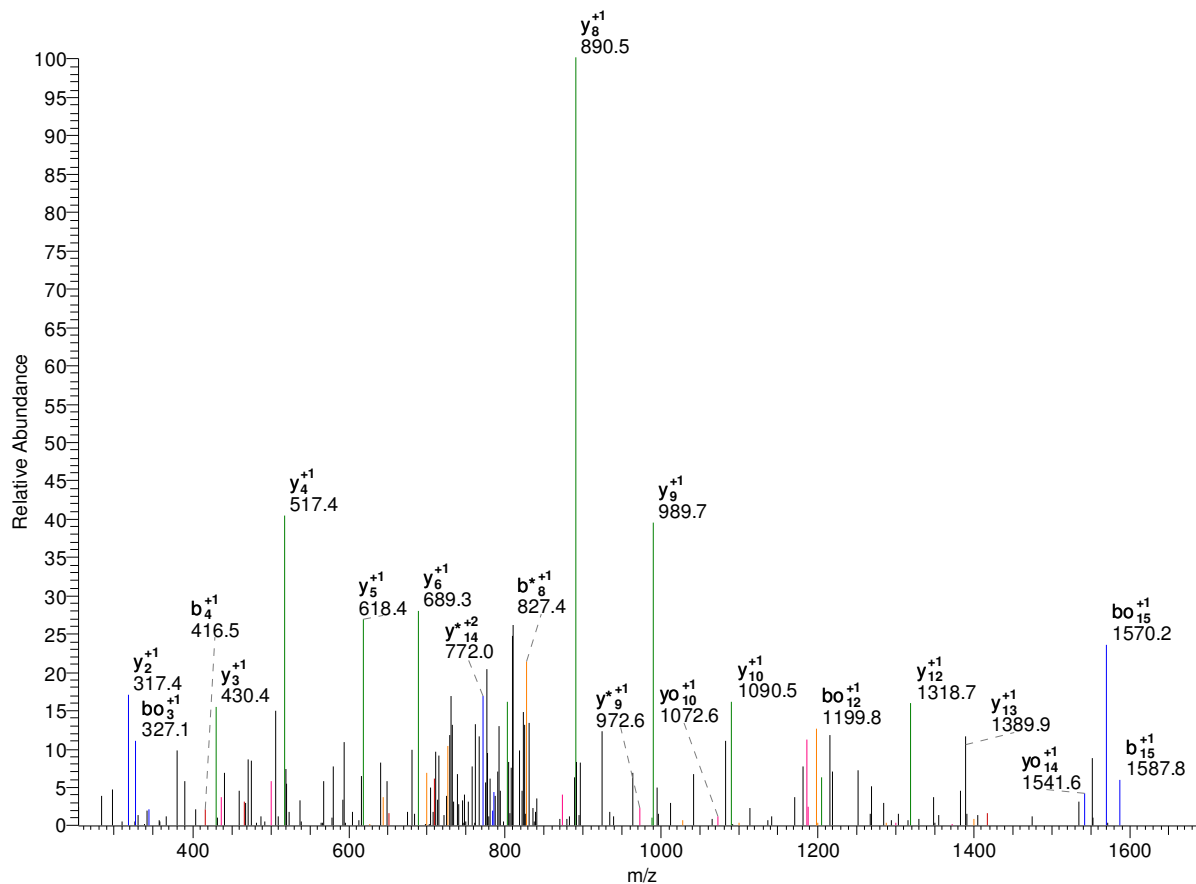
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	16
2	P	93.05	84.54	84.04	828.92	820.40	819.91	15
3	Y	174.58	166.07	165.58	780.39	771.88	771.38	14
4	T	225.11	216.59	216.10	698.86	690.34	689.85	13
5	L	281.65	273.13	272.64	648.33	639.82	639.33	12
6	D	339.16	330.65	330.16	591.79	583.28	582.79	11
7	K*	424.21	415.70	415.21	534.28	525.76	525.27	10
8	T	474.74	466.22	465.73	449.22	440.71	440.22	9
9	V	524.27	515.76	515.27	398.70	390.19	389.70	8
10	S	567.79	559.27	558.78	349.17	340.65	340.16	7
11	S	611.30	602.79	602.30	305.65	297.14	296.65	6
12	G	639.81	631.30	630.81	262.13	253.62	253.13	5
13	F	713.35	704.84	704.34	233.62	225.11	224.62	4
14	G	741.86	733.35	732.85	160.09	151.58	151.08	3
15	S	785.38	776.86	776.37	131.58	123.07	122.57	2
16	R	-	-	-	88.06	79.55	79.06	1

-

1733.90 K.SSK*ANNTVSNATSLK*K.Q

psu|PFC0425w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | locat 4133 – 4149

#1760-1760 NL: 5.64E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	16
2	S	175.07	158.04	157.06	1646.87	1629.84	1628.86	15
3	K*	345.18	328.15	327.17	1559.84	1542.81	1541.83	14
4	A	416.21	399.19	398.20	1389.73	1372.71	1371.72	13
5	N	530.26	513.23	512.25	1318.70	1301.67	1300.69	12
6	N	644.30	627.27	626.29	1204.65	1187.63	1186.64	11
7	T	745.35	728.32	727.34	1090.61	1073.58	1072.60	10
8	V	844.42	827.39	826.41	989.56	972.54	971.55	9
9	S	931.45	914.42	913.44	890.49	873.47	872.48	8
10	N	1045.49	1028.46	1027.48	803.46	786.44	785.45	7
11	A	1116.53	1099.50	1098.52	689.42	672.39	671.41	6
12	T	1217.58	1200.55	1199.57	618.38	601.36	600.37	5
13	S	1304.61	1287.58	1286.60	517.33	500.31	499.32	4
14	L	1417.69	1400.67	1399.68	430.30	413.28	412.29	3
15	K*	1587.80	1570.77	1569.79	317.22	300.19	299.21	2
16	K	-	-	-	147.11	130.09	129.10	1

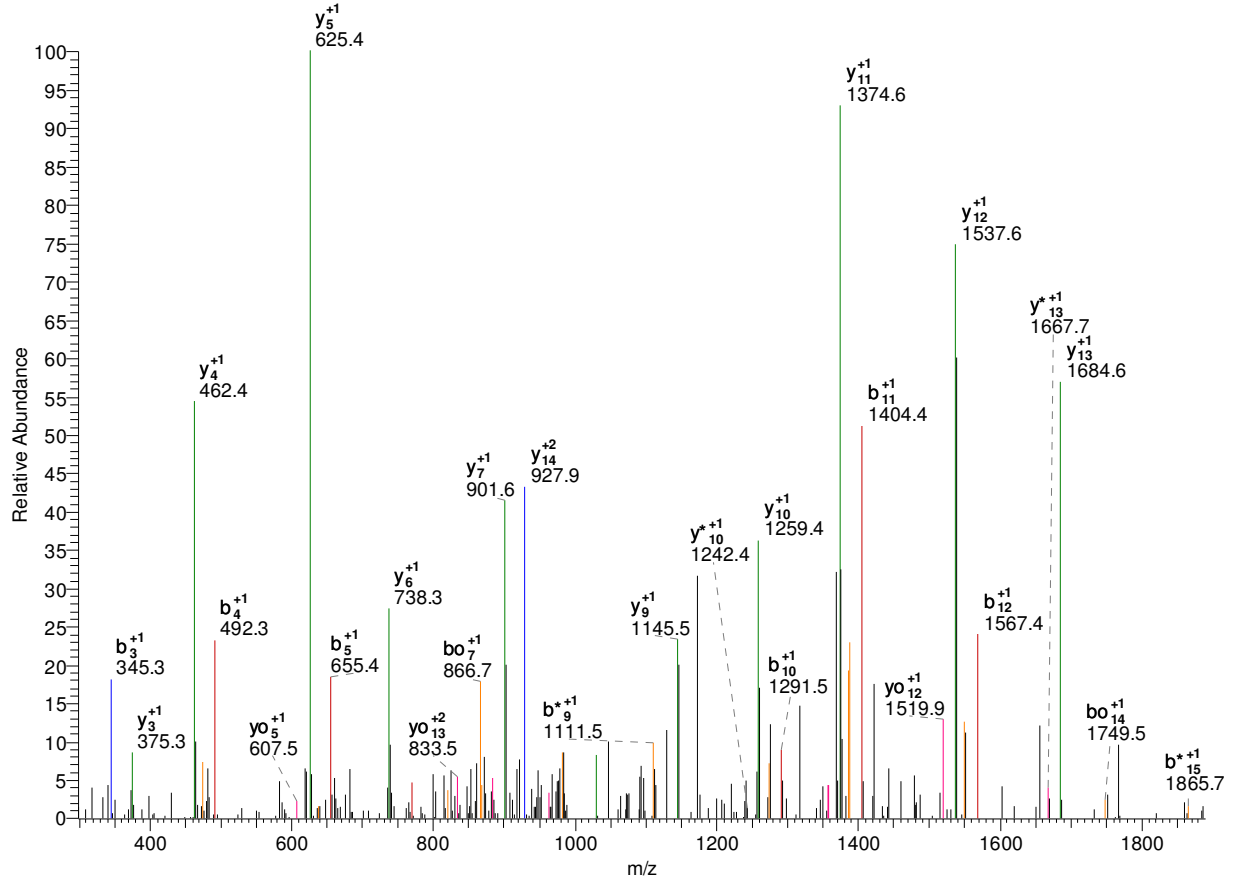
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	16
2	S	88.04	79.53	79.03	823.94	815.43	814.93	15
3	K*	173.09	164.58	164.09	780.42	771.91	771.42	14
4	A	208.61	200.10	199.61	695.37	686.86	686.36	13
5	N	265.63	257.12	256.63	659.85	651.34	650.85	12
6	N	322.65	314.14	313.65	602.83	594.32	593.82	11
7	T	373.18	364.66	364.17	545.81	537.30	536.80	10
8	V	422.71	414.20	413.71	495.28	486.77	486.28	9
9	S	466.23	457.71	457.22	445.75	437.24	436.75	8
10	N	523.25	514.74	514.24	402.23	393.72	393.23	7
11	A	558.77	550.25	549.76	345.21	336.70	336.21	6
12	T	609.29	600.78	600.29	309.69	301.18	300.69	5
13	S	652.81	644.29	643.80	259.17	250.66	250.17	4
14	L	709.35	700.84	700.34	215.65	207.14	206.65	3
15	K*	794.40	785.89	785.40	159.11	150.60	150.11	2
16	K	-	-	-	74.06	65.55	65.05	1

-

2028.91 K.SSK*FYDNDIYSLDK.T

psu|PFF0200c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | locat 930 – 946

#5116-5116 NL: 8.31E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	16
2	S	175.07	158.04	157.06	1941.88	1924.85	1923.86	15
3	K*	345.18	328.15	327.17	1854.84	1837.82	1836.83	14
4	F	492.25	475.22	474.23	1684.74	1667.71	1666.73	13
5	Y	655.31	638.28	637.30	1537.67	1520.64	1519.66	12
6	D	770.34	753.31	752.32	1374.61	1357.58	1356.60	11
7	N	884.38	867.35	866.37	1259.58	1242.55	1241.57	10
8	D	999.41	982.38	981.39	1145.54	1128.51	1127.53	9
9	E	1128.45	1111.42	1110.44	1030.51	1013.48	1012.50	8
10	Y	1291.51	1274.48	1273.50	901.47	884.44	883.46	7
11	I	1404.60	1387.57	1386.58	738.40	721.38	720.39	6
12	Y	1567.66	1550.63	1549.65	625.32	608.29	607.31	5
13	S	1654.69	1637.66	1636.68	462.26	445.23	444.25	4
14	L	1767.77	1750.75	1749.76	375.22	358.20	357.21	3
15	D	1882.80	1865.78	1864.79	262.14	245.11	244.13	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	16
2	S	88.04	79.53	79.03	971.44	962.93	962.44	15
3	K*	173.09	164.58	164.09	927.93	919.41	918.92	14
4	F	246.63	238.11	237.62	842.87	834.36	833.87	13
5	Y	328.16	319.64	319.15	769.34	760.83	760.33	12
6	D	385.67	377.16	376.67	687.81	679.29	678.80	11
7	N	442.69	434.18	433.69	630.29	621.78	621.29	10
8	D	500.21	491.69	491.20	573.27	564.76	564.27	9
9	E	564.73	556.21	555.72	515.76	507.24	506.75	8
10	Y	646.26	637.75	637.25	451.24	442.72	442.23	7
11	I	702.80	694.29	693.80	369.71	361.19	360.70	6
12	Y	784.33	775.82	775.33	313.16	304.65	304.16	5
13	S	827.85	819.34	818.84	231.63	223.12	222.63	4
14	L	884.39	875.88	875.39	188.12	179.60	179.11	3
15	D	941.90	933.39	932.90	131.57	123.06	122.57	2
16	K	-	-	-	74.06	65.55	65.05	1

-

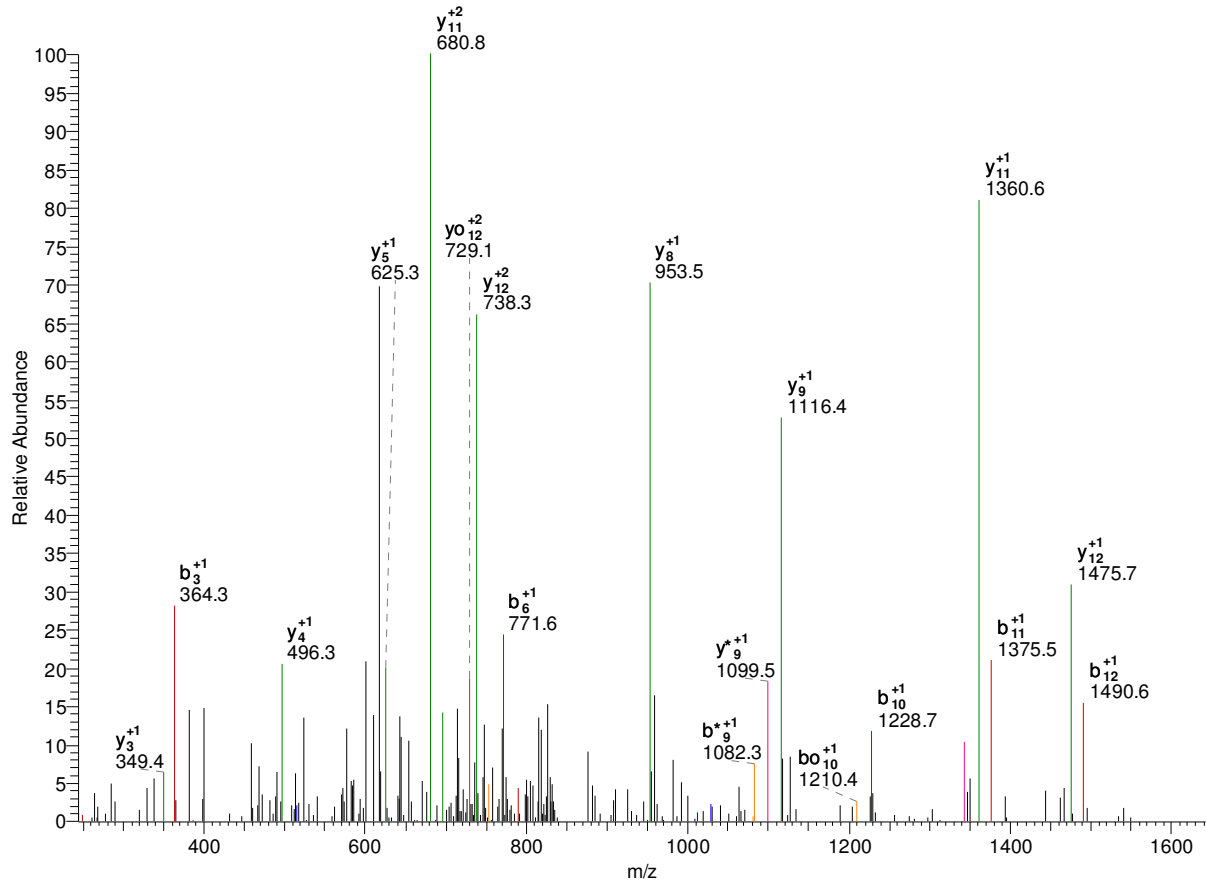
1	S	44.52	36.01	35.52	-	-	-	12
2	T	95.05	86.53	86.04	676.89	668.38	667.89	11
3	I	151.59	143.08	142.58	626.37	617.86	617.37	10
4	L	208.13	199.62	199.13	569.83	561.32	560.82	9
5	K*	293.18	284.67	284.18	513.29	504.77	504.28	8
6	I	349.73	341.21	340.72	428.23	419.72	419.23	7
7	Y	431.26	422.74	422.25	371.69	363.18	362.69	6
8	D	488.77	480.26	479.77	290.16	281.65	281.16	5
9	G	517.28	508.77	508.28	232.65	224.13	223.64	4
10	L	573.82	565.31	564.82	204.14	195.62	195.13	3
11	F	647.36	638.84	638.35	147.59	139.08	138.59	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1723.78 K.TFDPFYK*AEFDSK.G

psu|PFL0635c | organism=Plasmodium_falciparum_3D7 | product=bromodomain protein, putative | locatio 302 – 316

#5225-5225 NL: 6.87E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	14
2	F	249.12	232.10	231.11	1622.74	1605.71	1604.73	13
3	D	364.15	347.12	346.14	1475.67	1458.64	1457.66	12
4	P	461.20	444.18	443.19	1360.64	1343.62	1342.63	11
5	F	608.27	591.24	590.26	1263.59	1246.56	1245.58	10
6	Y	771.33	754.31	753.32	1116.52	1099.49	1098.51	9
7	S	858.37	841.34	840.36	953.46	936.43	935.45	8
8	K*	1028.47	1011.45	1010.46	866.43	849.40	848.41	7
9	A	1099.51	1082.48	1081.50	696.32	679.29	678.31	6
10	E	1228.55	1211.53	1210.54	625.28	608.26	607.27	5
11	F	1375.62	1358.59	1357.61	496.24	479.21	478.23	4
12	D	1490.65	1473.62	1472.64	349.17	332.15	331.16	3
13	S	1577.68	1560.65	1559.67	234.14	217.12	216.13	2
14	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	14
2	F	125.07	116.55	116.06	811.87	803.36	802.87	13
3	D	182.58	174.07	173.57	738.34	729.82	729.33	12
4	P	231.11	222.59	222.10	680.82	672.31	671.82	11
5	F	304.64	296.13	295.63	632.30	623.78	623.29	10
6	Y	386.17	377.66	377.17	558.76	550.25	549.76	9
7	S	429.69	421.17	420.68	477.23	468.72	468.23	8
8	K*	514.74	506.23	505.73	433.72	425.20	424.71	7
9	A	550.26	541.75	541.25	348.66	340.15	339.66	6
10	E	614.78	606.27	605.77	313.15	304.63	304.14	5
11	F	688.31	679.80	679.31	248.62	240.11	239.62	4
12	D	745.83	737.31	736.82	175.09	166.58	166.08	3
13	S	789.34	780.83	780.34	117.58	109.06	108.57	2
14	K	-	-	-	74.06	65.55	65.05	1

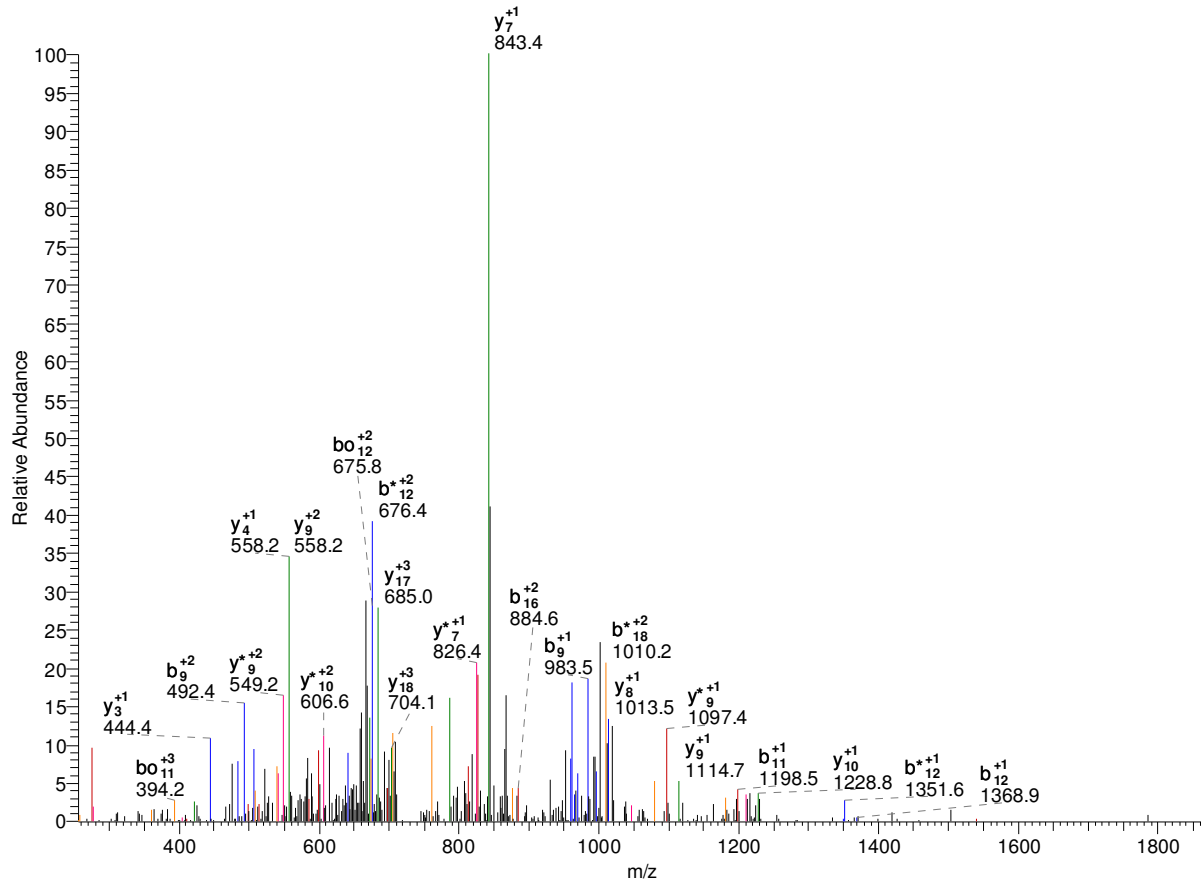
-

2211.05

K.TGDHSSNNK*NTK*GNNNK*VR.T

psu|PF11_0192 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11: 155 – 174

#252-252 NL: 2.66E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	19
2	G	159.08	142.05	141.07	2110.00	2092.98	2091.99	18
3	D	274.10	257.08	256.09	2052.98	2035.95	2034.97	17
4	H	411.16	394.14	393.15	1937.95	1920.93	1919.94	16
5	S	498.19	481.17	480.18	1800.89	1783.87	1782.88	15
6	S	585.23	568.20	567.22	1713.86	1696.84	1695.85	14
7	N	699.27	682.24	681.26	1626.83	1609.80	1608.82	13
8	N	813.31	796.29	795.30	1512.79	1495.76	1494.78	12
9	K*	983.42	966.39	965.41	1398.74	1381.72	1380.73	11
10	N	1097.46	1080.43	1079.45	1228.64	1211.61	1210.63	10
11	T	1198.51	1181.48	1180.50	1114.60	1097.57	1096.59	9
12	K*	1368.61	1351.59	1350.60	1013.55	996.52	995.54	8
13	G	1425.64	1408.61	1407.62	843.44	826.42	825.43	7
14	N	1539.68	1522.65	1521.67	786.42	769.40	768.41	6
15	N	1653.72	1636.69	1635.71	672.38	655.35	654.37	5
16	N	1767.76	1750.74	1749.75	558.34	541.31	540.33	4
17	K*	1937.87	1920.84	1919.86	444.29	427.27	426.28	3
18	V	2036.94	2019.91	2018.93	274.19	257.16	256.18	2

19	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	19
2	G	80.04	71.53	71.04	1055.50	1046.99	1046.50	18
3	D	137.56	129.04	128.55	1026.99	1018.48	1017.99	17
4	H	206.08	197.57	197.08	969.48	960.97	960.48	16
5	S	249.60	241.09	240.60	900.95	892.44	891.95	15
6	S	293.12	284.60	284.11	857.43	848.92	848.43	14
7	N	350.14	341.62	341.13	813.92	805.41	804.91	13
8	N	407.16	398.65	398.15	756.90	748.38	747.89	12
9	K*	492.21	483.70	483.21	699.88	691.36	690.87	11
10	N	549.23	540.72	540.23	614.82	606.31	605.82	10
11	T	599.76	591.24	590.75	557.80	549.29	548.80	9
12	K*	684.81	676.30	675.81	507.28	498.76	498.27	8
13	G	713.32	704.81	704.32	422.23	413.71	413.22	7
14	N	770.34	761.83	761.34	393.71	385.20	384.71	6
15	N	827.36	818.85	818.36	336.69	328.18	327.69	5
16	N	884.39	875.87	875.38	279.67	271.16	270.67	4
17	K*	969.44	960.93	960.43	222.65	214.14	213.64	3
18	V	1018.97	1010.46	1009.97	137.60	129.08	128.59	2
19	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	T	34.69	29.01	28.69	-	-	-	19
2	G	53.70	48.02	47.69	704.01	698.33	698.00	18
3	D	92.04	86.36	86.04	685.00	679.32	678.99	17
4	H	137.73	132.05	131.72	646.66	640.98	640.65	16
5	S	166.74	161.06	160.73	600.97	595.29	594.97	15
6	S	195.75	190.07	189.74	571.96	566.28	565.96	14
7	N	233.76	228.09	227.76	542.95	537.27	536.94	13
8	N	271.78	266.10	265.77	504.93	499.26	498.93	12
9	K*	328.48	322.80	322.47	466.92	461.24	460.92	11
10	N	366.49	360.82	360.49	410.22	404.54	404.21	10
11	T	400.17	394.50	394.17	372.20	366.53	366.20	9
12	K*	456.88	451.20	450.87	338.52	332.85	332.52	8
13	G	475.88	470.21	469.88	281.82	276.14	275.82	7
14	N	513.90	508.22	507.89	262.81	257.14	256.81	6
15	N	551.91	546.24	545.91	224.80	219.12	218.79	5
16	N	589.93	584.25	583.92	186.78	181.11	180.78	4
17	K*	646.63	640.95	640.62	148.77	143.09	142.77	3
18	V	679.65	673.98	673.65	92.07	86.39	86.06	2
19	R	-	-	-	59.04	53.37	53.04	1

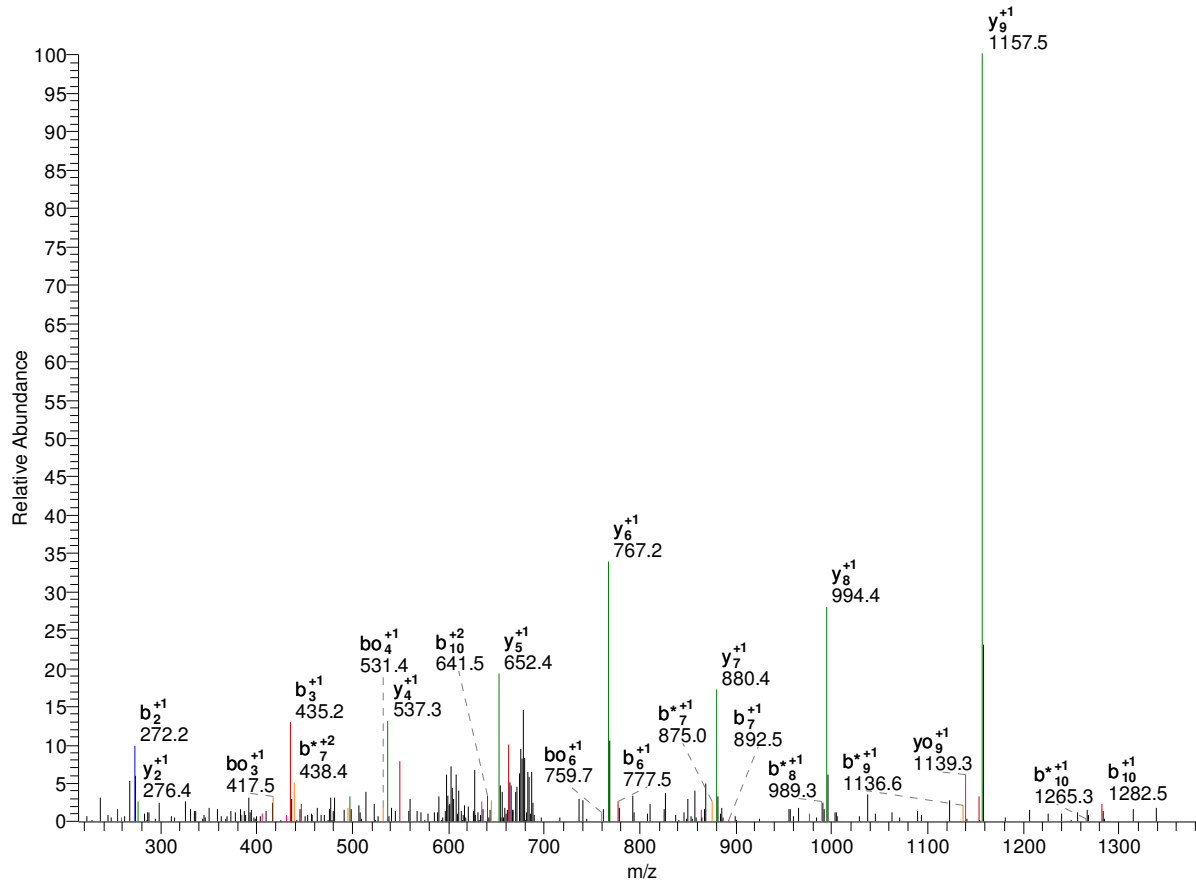
-

1428.66

K.TK*YNIDDNFEK.N

psu|PF11_0246 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11: 537 – 548

#2830-2830 NL: 1.72E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	11
2	K*	272.16	255.13	254.15	1327.62	1310.59	1309.61	10
3	Y	435.22	418.20	417.21	1157.51	1140.48	1139.50	9
4	N	549.27	532.24	531.26	994.45	977.42	976.44	8
5	I	662.35	645.32	644.34	880.40	863.38	862.39	7
6	D	777.38	760.35	759.37	767.32	750.29	749.31	6
7	D	892.40	875.38	874.39	652.29	635.27	634.28	5
8	N	1006.45	989.42	988.44	537.27	520.24	519.26	4
9	F	1153.52	1136.49	1135.51	423.22	406.20	405.21	3
10	E	1282.56	1265.53	1264.55	276.16	259.13	258.14	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	11

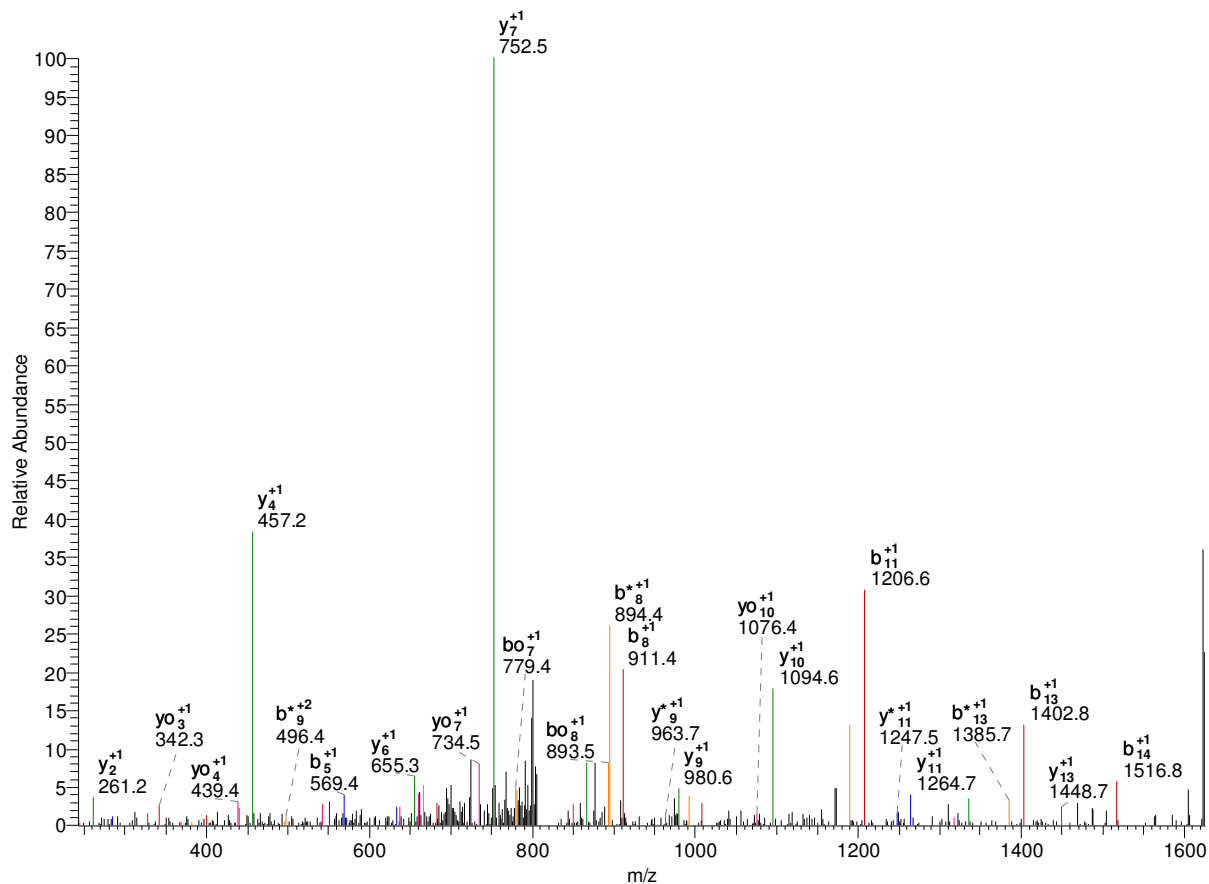
2	K*	136.58	128.07	127.58	664.31	655.80	655.31	10
3	Y	218.12	209.60	209.11	579.26	570.75	570.25	9
4	N	275.14	266.62	266.13	497.73	489.21	488.72	8
5	I	331.68	323.17	322.67	440.71	432.19	431.70	7
6	D	389.19	380.68	380.19	384.16	375.65	375.16	6
7	D	446.71	438.19	437.70	326.65	318.14	317.65	5
8	N	503.73	495.21	494.72	269.14	260.62	260.13	4
9	F	577.26	568.75	568.26	212.12	203.60	203.11	3
10	E	641.78	633.27	632.78	138.58	130.07	129.58	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1662.92 K.TLIAK*NNNPPTPVNK.V

psu|MAL8P1.52 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | loca 31 – 46

#2378-2378 NL: 7.99E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	15
2	L	215.14	198.11	197.13	1561.87	1544.84	1543.86	14
3	I	328.22	311.20	310.21	1448.79	1431.76	1430.78	13
4	A	399.26	382.23	381.25	1335.70	1318.67	1317.69	12
5	K*	569.37	552.34	551.36	1264.66	1247.64	1246.65	11
6	N	683.41	666.38	665.40	1094.56	1077.53	1076.55	10
7	N	797.45	780.43	779.44	980.52	963.49	962.51	9
8	N	911.49	894.47	893.48	866.47	849.45	848.46	8
9	P	1008.55	991.52	990.54	752.43	735.40	734.42	7
10	P	1105.60	1088.57	1087.59	655.38	638.35	637.37	6
11	T	1206.65	1189.62	1188.64	558.32	541.30	540.31	5
12	P	1303.70	1286.67	1285.69	457.28	440.25	439.27	4
13	V	1402.77	1385.74	1384.76	360.22	343.20	342.21	3
14	N	1516.81	1499.79	1498.80	261.16	244.13	243.15	2
15	K	-	-	-	147.11	130.09	129.10	1

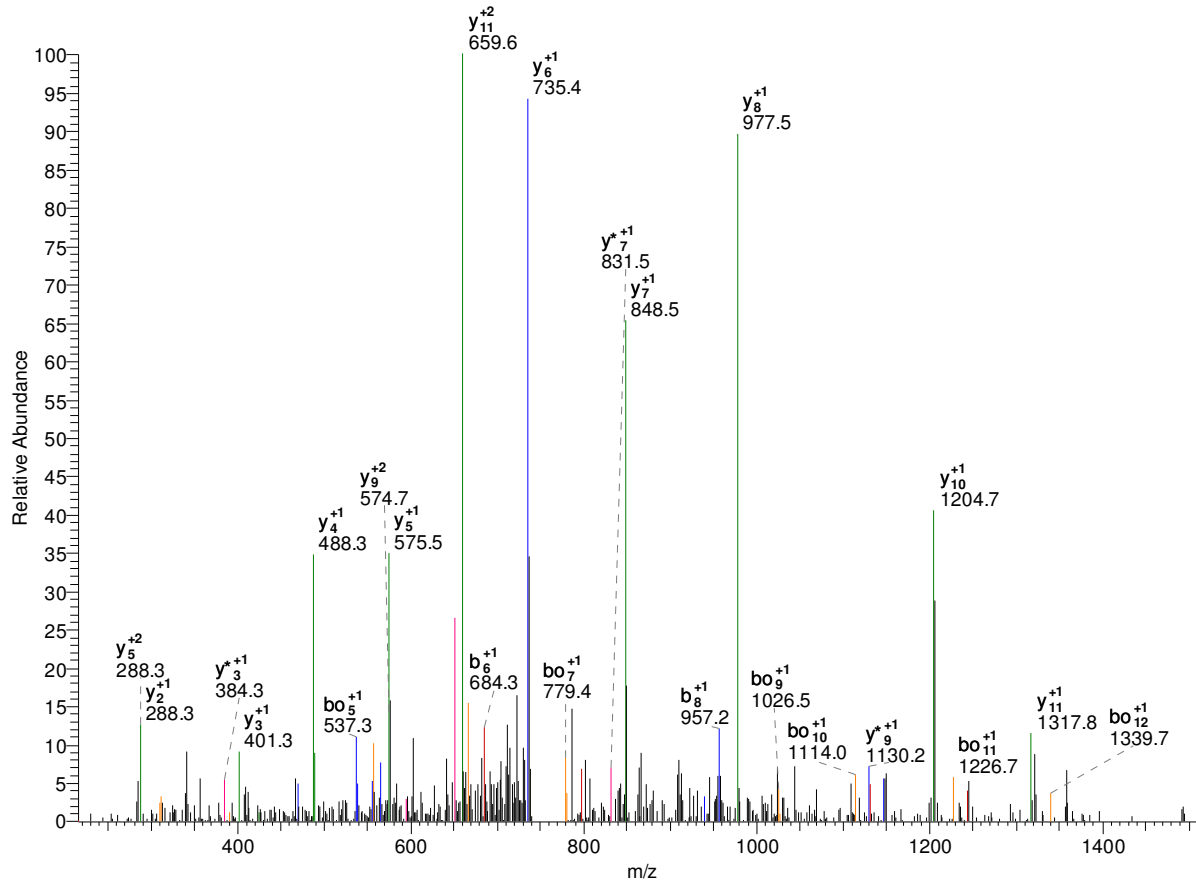
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	15
2	L	108.07	99.56	99.07	781.44	772.93	772.43	14
3	I	164.62	156.10	155.61	724.90	716.38	715.89	13
4	A	200.13	191.62	191.13	668.35	659.84	659.35	12
5	K*	285.19	276.67	276.18	632.84	624.32	623.83	11
6	N	342.21	333.69	333.20	547.78	539.27	538.78	10
7	N	399.23	390.72	390.22	490.76	482.25	481.76	9
8	N	456.25	447.74	447.25	433.74	425.23	424.73	8
9	P	504.78	496.26	495.77	376.72	368.21	367.71	7
10	P	553.30	544.79	544.30	328.19	319.68	319.19	6
11	T	603.83	595.31	594.82	279.67	271.15	270.66	5
12	P	652.35	643.84	643.35	229.14	220.63	220.14	4
13	V	701.89	693.37	692.88	180.62	172.10	171.61	3
14	N	758.91	750.40	749.90	131.08	122.57	122.08	2
15	K	-	-	-	74.06	65.55	65.05	1

-

1531.85 K.TLLGK*ELC@SSILR.V

psu|PF11_0485 | organism=Plasmodium_falciparum_3D7 | product=mitochondrial ATP-synthase, delta subu 138 – 151

#8393-8393 NL: 2.53E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	13
2	L	215.14	198.11	197.13	1430.80	1413.78	1412.79	12
3	L	328.22	311.20	310.21	1317.72	1300.69	1299.71	11
4	G	385.24	368.22	367.23	1204.64	1187.61	1186.62	10
5	K*	555.35	538.32	537.34	1147.61	1130.59	1129.60	9
6	E	684.39	667.37	666.38	977.51	960.48	959.50	8
7	L	797.48	780.45	779.47	848.47	831.44	830.46	7
8	C@	957.51	940.48	939.50	735.38	718.36	717.37	6
9	S	1044.54	1027.51	1026.53	575.35	558.32	557.34	5
10	S	1131.57	1114.54	1113.56	488.32	471.29	470.31	4
11	I	1244.66	1227.63	1226.64	401.29	384.26	383.28	3
12	L	1357.74	1340.71	1339.73	288.20	271.18	270.19	2
13	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	13
2	L	108.07	99.56	99.07	715.91	707.39	706.90	12
3	L	164.62	156.10	155.61	659.36	650.85	650.36	11
4	G	193.13	184.61	184.12	602.82	594.31	593.82	10
5	K*	278.18	269.67	269.17	574.31	565.80	565.31	9
6	E	342.70	334.19	333.69	489.26	480.74	480.25	8
7	L	399.24	390.73	390.24	424.74	416.22	415.73	7
8	C@	479.26	470.74	470.25	368.19	359.68	359.19	6
9	S	522.77	514.26	513.77	288.18	279.67	279.17	5
10	S	566.29	557.78	557.28	244.66	236.15	235.66	4
11	I	622.83	614.32	613.83	201.15	192.63	192.14	3
12	L	679.37	670.86	670.37	144.61	136.09	135.60	2
13	R	-	-	-	88.06	79.55	79.06	1

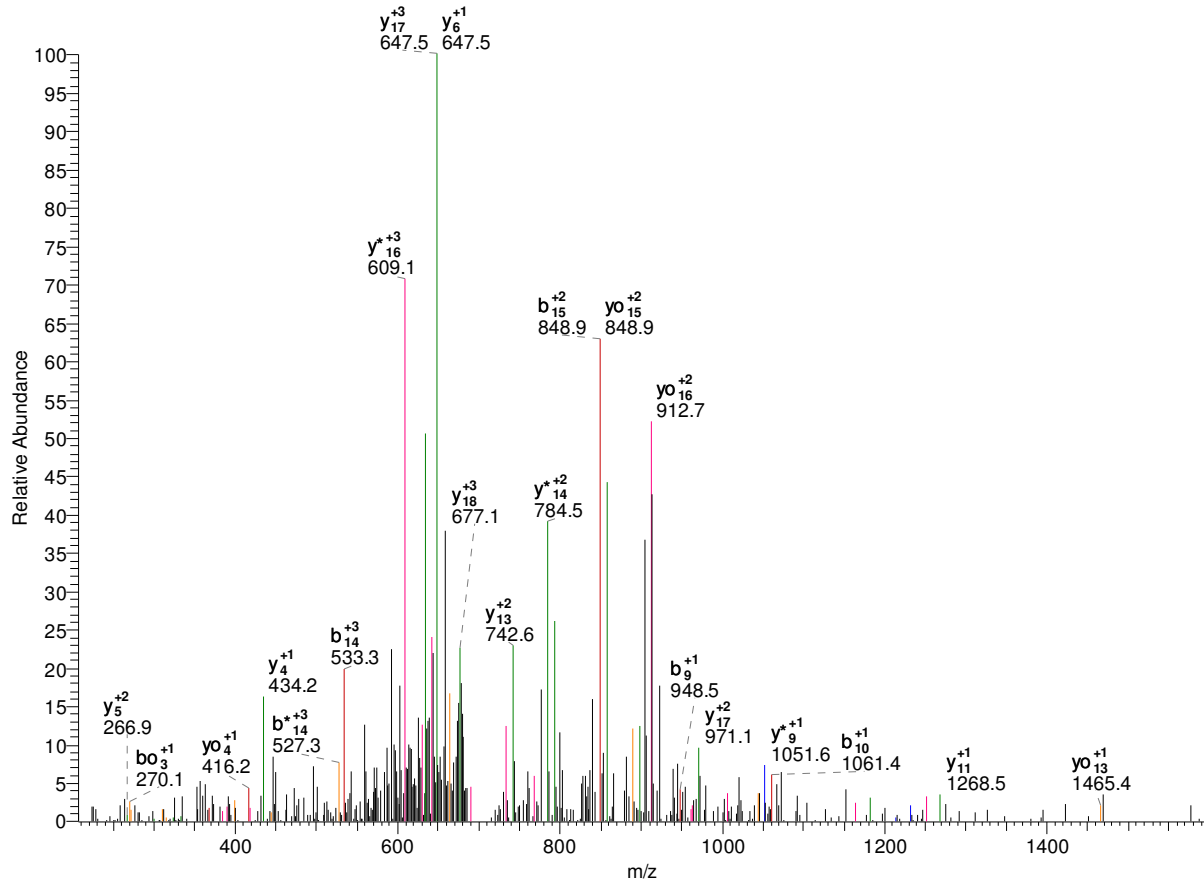
-

2129.09

K.TSVQETSKSIK*NHNVTGR.K

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL10: 1811 – 1830

#1336-1336 NL: 1.57E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	19
2	S	189.09	172.06	171.08	2028.05	2011.02	2010.04	18
3	V	288.16	271.13	270.14	1941.01	1923.99	1923.00	17
4	Q	416.21	399.19	398.20	1841.95	1824.92	1823.94	16
5	E	545.26	528.23	527.25	1713.89	1696.86	1695.88	15
6	T	646.30	629.28	628.29	1584.85	1567.82	1566.83	14
7	S	733.34	716.31	715.33	1483.80	1466.77	1465.79	13
8	K	861.43	844.40	843.42	1396.77	1379.74	1378.75	12
9	S	948.46	931.44	930.45	1268.67	1251.64	1250.66	11
10	I	1061.55	1044.52	1043.54	1181.64	1164.61	1163.63	10
11	K*	1231.65	1214.63	1213.64	1068.55	1051.53	1050.54	9
12	N	1345.70	1328.67	1327.69	898.45	881.42	880.44	8
13	H	1482.75	1465.73	1464.74	784.41	767.38	766.40	7
14	N	1596.80	1579.77	1578.79	647.35	630.32	629.34	6
15	V	1695.87	1678.84	1677.86	533.30	516.28	515.29	5
16	T	1796.91	1779.89	1778.90	434.24	417.21	416.23	4
17	T	1897.96	1880.93	1879.95	333.19	316.16	315.18	3
18	G	1954.98	1937.96	1936.97	232.14	215.11	214.13	2

19	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	19
2	S	95.05	86.53	86.04	1014.53	1006.01	1005.52	18
3	V	144.58	136.07	135.58	971.01	962.50	962.01	17
4	Q	208.61	200.10	199.61	921.48	912.96	912.47	16
5	E	273.13	264.62	264.13	857.45	848.93	848.44	15
6	T	323.66	315.14	314.65	792.93	784.41	783.92	14
7	S	367.17	358.66	358.17	742.40	733.89	733.40	13
8	K	431.22	422.71	422.21	698.89	690.37	689.88	12
9	S	474.74	466.22	465.73	634.84	626.33	625.83	11
10	I	531.28	522.76	522.27	591.32	582.81	582.32	10
11	K*	616.33	607.82	607.32	534.78	526.27	525.78	9
12	N	673.35	664.84	664.35	449.73	441.21	440.72	8
13	H	741.88	733.37	732.88	392.71	384.19	383.70	7
14	N	798.90	790.39	789.90	324.18	315.66	315.17	6
15	V	848.44	839.92	839.43	267.16	258.64	258.15	5
16	T	898.96	890.45	889.96	217.62	209.11	208.62	4
17	T	949.48	940.97	940.48	167.10	158.58	158.09	3
18	G	978.00	969.48	968.99	116.57	108.06	107.57	2
19	R	-	-	-	88.06	79.55	79.06	1

-

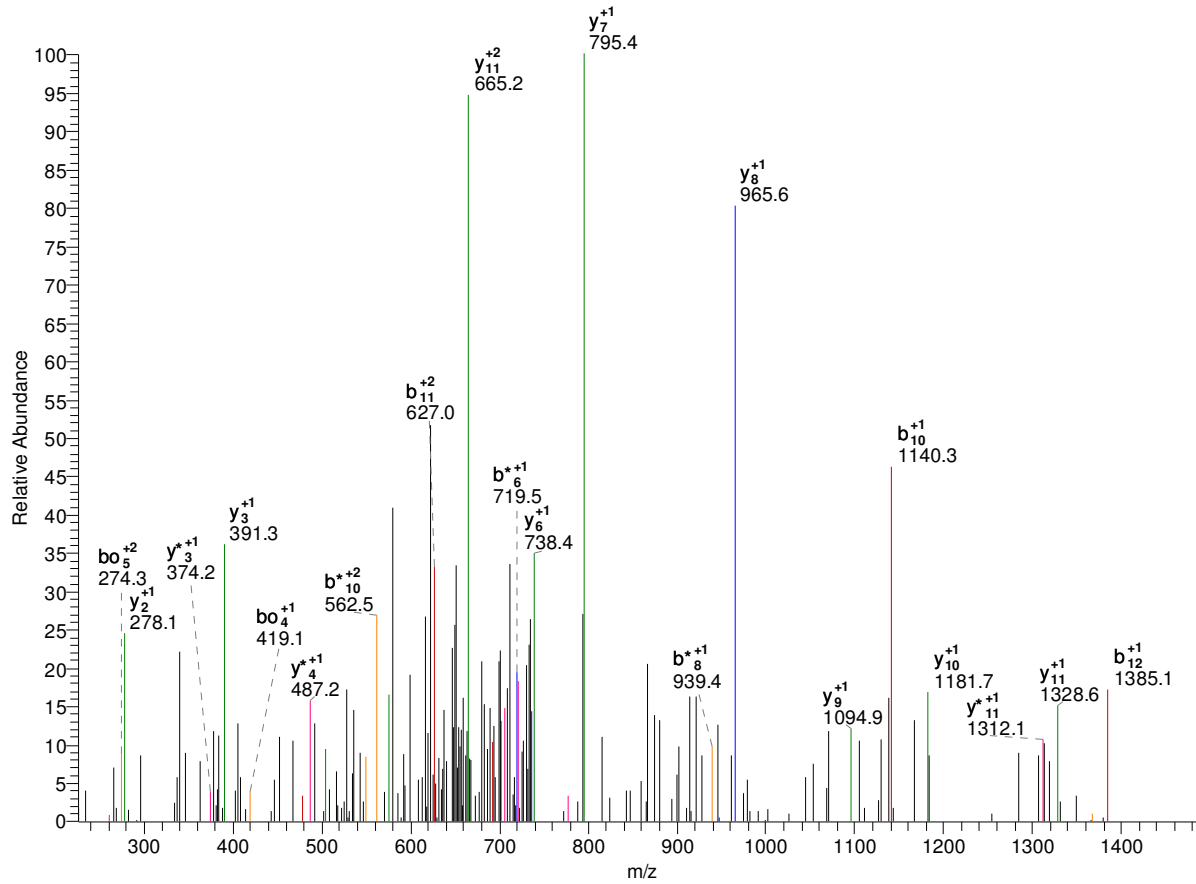
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	T	34.69	29.01	28.69	-	-	-	19
2	S	63.70	58.02	57.70	676.69	671.01	670.68	18
3	V	96.72	91.05	90.72	647.68	642.00	641.67	17
4	Q	139.41	133.73	133.41	614.65	608.98	608.65	16
5	E	182.42	176.75	176.42	571.97	566.29	565.96	15
6	T	216.11	210.43	210.10	528.95	523.28	522.95	14
7	S	245.12	239.44	239.11	495.27	489.60	489.27	13
8	K	287.82	282.14	281.81	466.26	460.58	460.26	12
9	S	316.83	311.15	310.82	423.56	417.89	417.56	11
10	I	354.52	348.85	348.52	394.55	388.88	388.55	10
11	K*	411.22	405.55	405.22	356.86	351.18	350.85	9
12	N	449.24	443.56	443.23	300.15	294.48	294.15	8
13	H	494.92	489.25	488.92	262.14	256.46	256.14	7
14	N	532.94	527.26	526.93	216.45	210.78	210.45	6
15	V	565.96	560.28	559.96	178.44	172.76	172.44	5
16	T	599.64	593.97	593.64	145.42	139.74	139.41	4
17	T	633.33	627.65	627.32	111.73	106.06	105.73	3
18	G	652.33	646.66	646.33	78.05	72.38	72.05	2
19	R	-	-	-	59.04	53.37	53.04	1

-

1530.79 K.TTFSEK*GYAILMK.Y

psu|PF13_0322 | organism=Plasmodium_falciparum_3D7 | product=falcilysin |
location=MAL13:2431676-24 860 – 873

#5623-5623 NL: 2.77E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	13
2	T	203.10	186.08	185.09	1429.74	1412.71	1411.73	12
3	F	350.17	333.14	332.16	1328.69	1311.67	1310.68	11
4	S	437.20	420.18	419.19	1181.62	1164.60	1163.61	10
5	E	566.25	549.22	548.24	1094.59	1077.56	1076.58	9
6	K*	736.35	719.32	718.34	965.55	948.52	947.54	8
7	G	793.37	776.35	775.36	795.44	778.42	777.43	7
8	Y	956.44	939.41	938.43	738.42	721.40	720.41	6
9	A	1027.47	1010.45	1009.46	575.36	558.33	557.35	5
10	I	1140.56	1123.53	1122.55	504.32	487.29	486.31	4
11	L	1253.64	1236.61	1235.63	391.24	374.21	373.23	3
12	M	1384.68	1367.66	1366.67	278.15	261.13	260.14	2
13	K	-	-	-	147.11	130.09	129.10	1

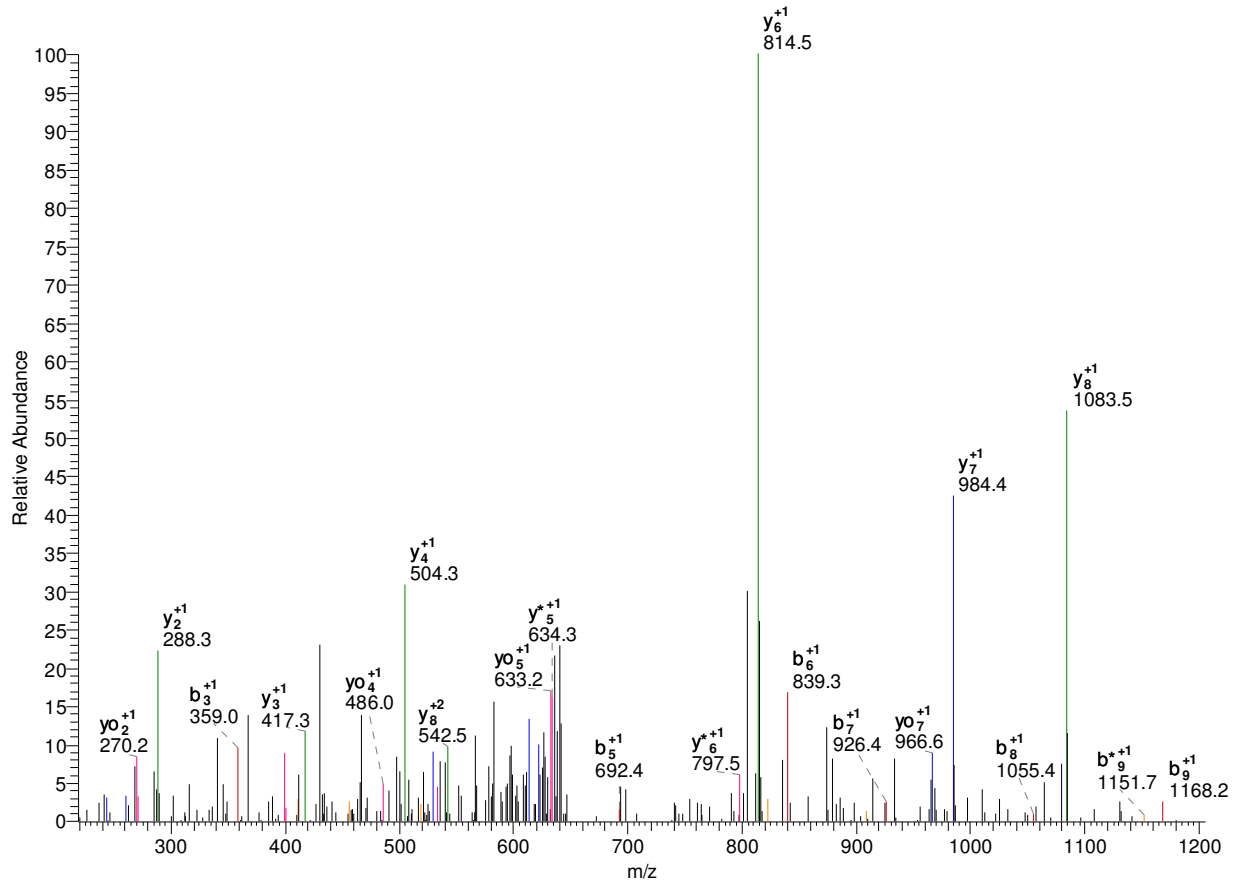
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	13
2	T	102.05	93.54	93.05	715.37	706.86	706.37	12
3	F	175.59	167.08	166.58	664.85	656.34	655.84	11
4	S	219.11	210.59	210.10	591.32	582.80	582.31	10
5	E	283.63	275.11	274.62	547.80	539.29	538.79	9
6	K*	368.68	360.17	359.67	483.28	474.76	474.27	8
7	G	397.19	388.68	388.18	398.23	389.71	389.22	7
8	Y	478.72	470.21	469.72	369.71	361.20	360.71	6
9	A	514.24	505.73	505.23	288.18	279.67	279.18	5
10	I	570.78	562.27	561.78	252.66	244.15	243.66	4
11	L	627.32	618.81	618.32	196.12	187.61	187.12	3
12	M	692.84	684.33	683.84	139.58	131.07	130.58	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1342.68 K.VC@VK*YFSELR.R

psu|PF11_0302 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL11: 138 – 148

#4112-4112 NL: 8.13E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	10
2	C@	260.11	243.08	242.10	1243.61	1226.59	1225.60	9
3	V	359.17	342.15	341.16	1083.58	1066.56	1065.57	8
4	K*	529.28	512.25	511.27	984.51	967.49	966.50	7
5	Y	692.34	675.32	674.33	814.41	797.38	796.40	6
6	F	839.41	822.39	821.40	651.35	634.32	633.34	5
7	S	926.44	909.42	908.43	504.28	487.25	486.27	4
8	E	1055.49	1038.46	1037.48	417.25	400.22	399.24	3
9	L	1168.57	1151.54	1150.56	288.20	271.18	270.19	2
10	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	10
2	C@	130.56	122.04	121.55	622.31	613.80	613.31	9

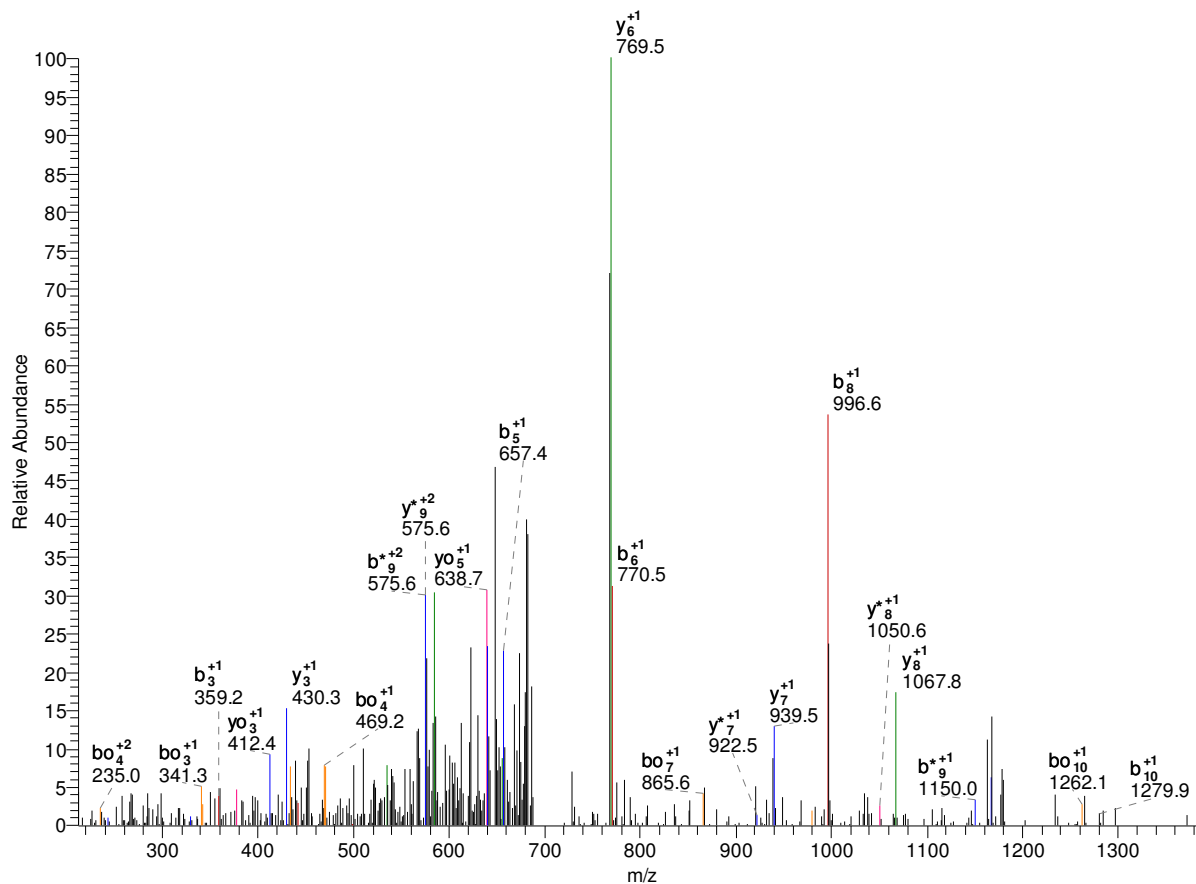
3	V	180.09	171.58	171.09	542.30	533.78	533.29	8
4	K*	265.14	256.63	256.14	492.76	484.25	483.76	7
5	Y	346.68	338.16	337.67	407.71	399.20	398.70	6
6	F	420.21	411.70	411.20	326.18	317.66	317.17	5
7	S	463.73	455.21	454.72	252.64	244.13	243.64	4
8	E	528.25	519.73	519.24	209.13	200.61	200.12	3
9	L	584.79	576.28	575.78	144.61	136.09	135.60	2
10	R	-	-	-	88.06	79.55	79.06	1

-

1425.92 K.VC@VKK*ILLK*LK.N

psu|MAL7P1.12 | organism=Plasmodium_falciparum_3D7 | product=erythrocyte membrane-associated antigen 848 – 859

#1629-1629 NL: 1.76E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	11
2	C@	260.11	243.08	242.10	1326.85	1309.83	1308.84	10
3	V	359.17	342.15	341.16	1166.82	1149.80	1148.81	9
4	K	487.27	470.24	469.26	1067.76	1050.73	1049.74	8
5	K*	657.38	640.35	639.36	939.66	922.63	921.65	7
6	I	770.46	753.43	752.45	769.55	752.53	751.54	6
7	L	883.54	866.52	865.53	656.47	639.44	638.46	5
8	L	996.63	979.60	978.62	543.39	526.36	525.38	4
9	K*	1166.73	1149.71	1148.72	430.30	413.28	412.29	3
10	L	1279.82	1262.79	1261.81	260.20	243.17	242.19	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	11

2	C@	130.56	122.04	121.55	663.93	655.42	654.93	10
3	V	180.09	171.58	171.09	583.92	575.40	574.91	9
4	K	244.14	235.63	235.13	534.38	525.87	525.38	8
5	K*	329.19	320.68	320.19	470.33	461.82	461.33	7
6	I	385.73	377.22	376.73	385.28	376.77	376.28	6
7	L	442.28	433.76	433.27	328.74	320.23	319.73	5
8	L	498.82	490.30	489.81	272.20	263.68	263.19	4
9	K*	583.87	575.36	574.86	215.65	207.14	206.65	3
10	L	640.41	631.90	631.41	130.60	122.09	121.60	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1657.92 K.VDVPNINESLK*FLK.H

psu|PF13_0245 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
 conserved | loca 44 – 58

+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	14
2	D	215.10	198.08	197.09	1558.85	1541.82	1540.84	13
3	V	314.17	297.14	296.16	1443.82	1426.79	1425.81	12
4	P	411.22	394.20	393.21	1344.75	1327.73	1326.74	11
5	N	525.27	508.24	507.26	1247.70	1230.67	1229.69	10
6	I	638.35	621.32	620.34	1133.66	1116.63	1115.65	9
7	N	752.39	735.37	734.38	1020.57	1003.55	1002.56	8
8	E	881.44	864.41	863.43	906.53	889.50	888.52	7
9	S	968.47	951.44	950.46	777.49	760.46	759.48	6
10	L	1081.55	1064.53	1063.54	690.45	673.43	672.44	5
11	K*	1251.66	1234.63	1233.65	577.37	560.34	559.36	4
12	F	1398.73	1381.70	1380.72	407.27	390.24	389.25	3
13	L	1511.81	1494.78	1493.80	260.20	243.17	242.19	2
14	K	-	-	-	147.11	130.09	129.10	1

—

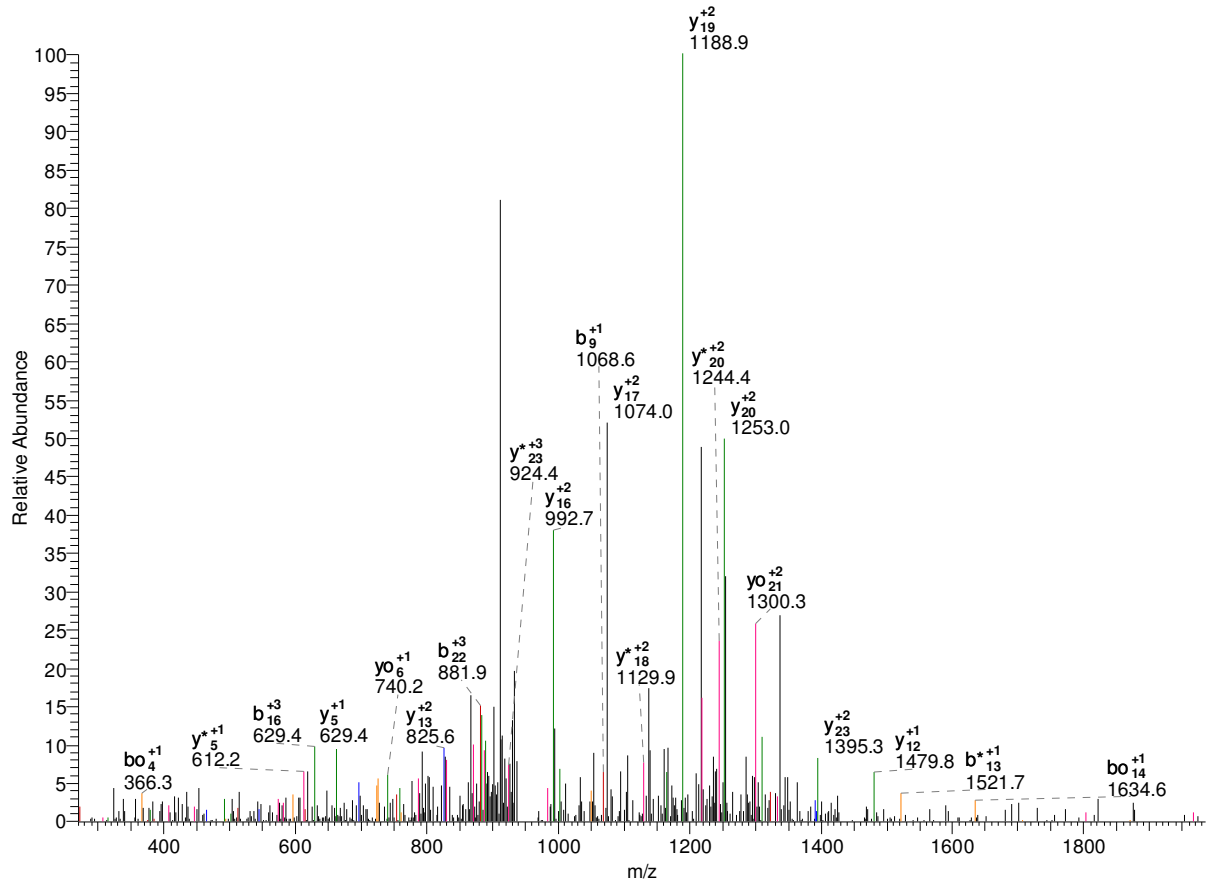
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	14
2	D	108.05	99.54	99.05	779.93	771.41	770.92	13
3	V	157.59	149.08	148.58	722.41	713.90	713.41	12
4	P	206.12	197.60	197.11	672.88	664.37	663.87	11
5	N	263.14	254.62	254.13	624.35	615.84	615.35	10
6	I	319.68	311.17	310.67	567.33	558.82	558.33	9
7	N	376.70	368.19	367.70	510.79	502.28	501.78	8
8	E	441.22	432.71	432.22	453.77	445.26	444.76	7
9	S	484.74	476.22	475.73	389.25	380.73	380.24	6
10	L	541.28	532.77	532.27	345.73	337.22	336.73	5
11	K*	626.33	617.82	617.33	289.19	280.68	280.18	4
12	F	699.87	691.35	690.86	204.14	195.62	195.13	3
13	L	756.41	747.90	747.40	130.60	122.09	121.60	2
14	K	-	-	-	74.06	65.55	65.05	1

—

2888.37 K.VNGIETQYYGNK*ENAYLMEHVFAR

psu|PF10_0036 | organism=Plasmodium_falciparum_3D7 | product=N-acetyltransferase, putative | locati 128 – 151

#7543-7543 NL: 1.88E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	24
2	N	214.12	197.09	196.11	2789.30	2772.27	2771.29	23
3	G	271.14	254.11	253.13	2675.26	2658.23	2657.25	22
4	I	384.22	367.20	366.21	2618.23	2601.21	2600.22	21
5	E	513.27	496.24	495.26	2505.15	2488.12	2487.14	20
6	T	614.31	597.29	596.30	2376.11	2359.08	2358.10	19
7	Q	742.37	725.35	724.36	2275.06	2258.03	2257.05	18
8	Y	905.44	888.41	887.43	2147.00	2129.97	2128.99	17
9	Y	1068.50	1051.47	1050.49	1983.94	1966.91	1965.93	16
10	G	1125.52	1108.49	1107.51	1820.87	1803.85	1802.86	15
11	N	1239.56	1222.54	1221.55	1763.85	1746.83	1745.84	14
12	K*	1409.67	1392.64	1391.66	1649.81	1632.78	1631.80	13
13	E	1538.71	1521.69	1520.70	1479.70	1462.68	1461.69	12
14	N	1652.76	1635.73	1634.74	1350.66	1333.64	1332.65	11
15	A	1723.79	1706.77	1705.78	1236.62	1219.59	1218.61	10
16	Y	1886.86	1869.83	1868.84	1165.58	1148.56	1147.57	9
17	L	1999.94	1982.91	1981.93	1002.52	985.49	984.51	8
18	M	2130.98	2113.95	2112.97	889.43	872.41	871.42	7

19	E	2260.02	2243.00	2242.01	758.39	741.37	740.38	6
20	H	2397.08	2380.06	2379.07	629.35	612.33	611.34	5
21	V	2496.15	2479.12	2478.14	492.29	475.27	474.28	4
22	F	2643.22	2626.19	2625.21	393.22	376.20	375.21	3
23	A	2714.26	2697.23	2696.24	246.16	229.13	228.15	2
24	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	24
2	N	107.56	99.05	98.56	1395.15	1386.64	1386.15	23
3	G	136.07	127.56	127.07	1338.13	1329.62	1329.13	22
4	I	192.62	184.10	183.61	1309.62	1301.11	1300.62	21
5	E	257.14	248.62	248.13	1253.08	1244.57	1244.07	20
6	T	307.66	299.15	298.66	1188.56	1180.04	1179.55	19
7	Q	371.69	363.18	362.68	1138.03	1129.52	1129.03	18
8	Y	453.22	444.71	444.22	1074.00	1065.49	1065.00	17
9	Y	534.75	526.24	525.75	992.47	983.96	983.47	16
10	G	563.26	554.75	554.26	910.94	902.43	901.94	15
11	N	620.29	611.77	611.28	882.43	873.92	873.43	14
12	K*	705.34	696.83	696.33	825.41	816.90	816.40	13
13	E	769.86	761.35	760.85	740.36	731.84	731.35	12
14	N	826.88	818.37	817.88	675.83	667.32	666.83	11
15	A	862.40	853.89	853.39	618.81	610.30	609.81	10
16	Y	943.93	935.42	934.93	583.29	574.78	574.29	9
17	L	1000.47	991.96	991.47	501.76	493.25	492.76	8
18	M	1065.99	1057.48	1056.99	445.22	436.71	436.22	7
19	E	1130.51	1122.00	1121.51	379.70	371.19	370.70	6
20	H	1199.04	1190.53	1190.04	315.18	306.67	306.17	5
21	V	1248.58	1240.07	1239.57	246.65	238.14	237.64	4
22	F	1322.11	1313.60	1313.11	197.12	188.60	188.11	3
23	A	1357.63	1349.12	1348.63	123.58	115.07	114.58	2
24	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	V	34.03	28.35	28.03	-	-	-	24
2	N	72.04	66.37	66.04	930.44	924.76	924.43	23
3	G	91.05	85.38	85.05	892.42	886.75	886.42	22
4	I	128.75	123.07	122.74	873.42	867.74	867.41	21
5	E	171.76	166.08	165.76	835.72	830.05	829.72	20
6	T	205.44	199.77	199.44	792.71	787.03	786.70	19
7	Q	248.13	242.45	242.13	759.02	753.35	753.02	18
8	Y	302.48	296.81	296.48	716.34	710.66	710.34	17
9	Y	356.84	351.16	350.83	661.98	656.31	655.98	16
10	G	375.85	370.17	369.84	607.63	601.95	601.63	15
11	N	413.86	408.18	407.86	588.62	582.95	582.62	14
12	K*	470.56	464.89	464.56	550.61	544.93	544.60	13
13	E	513.58	507.90	507.57	493.91	488.23	487.90	12
14	N	551.59	545.91	545.59	450.89	445.22	444.89	11
15	A	575.27	569.59	569.27	412.88	407.20	406.87	10
16	Y	629.62	623.95	623.62	389.20	383.52	383.20	9
17	L	667.32	661.64	661.31	334.84	329.17	328.84	8
18	M	711.00	705.32	704.99	297.15	291.47	291.15	7
19	E	754.01	748.34	748.01	253.47	247.79	247.47	6
20	H	799.70	794.02	793.70	210.46	204.78	204.45	5

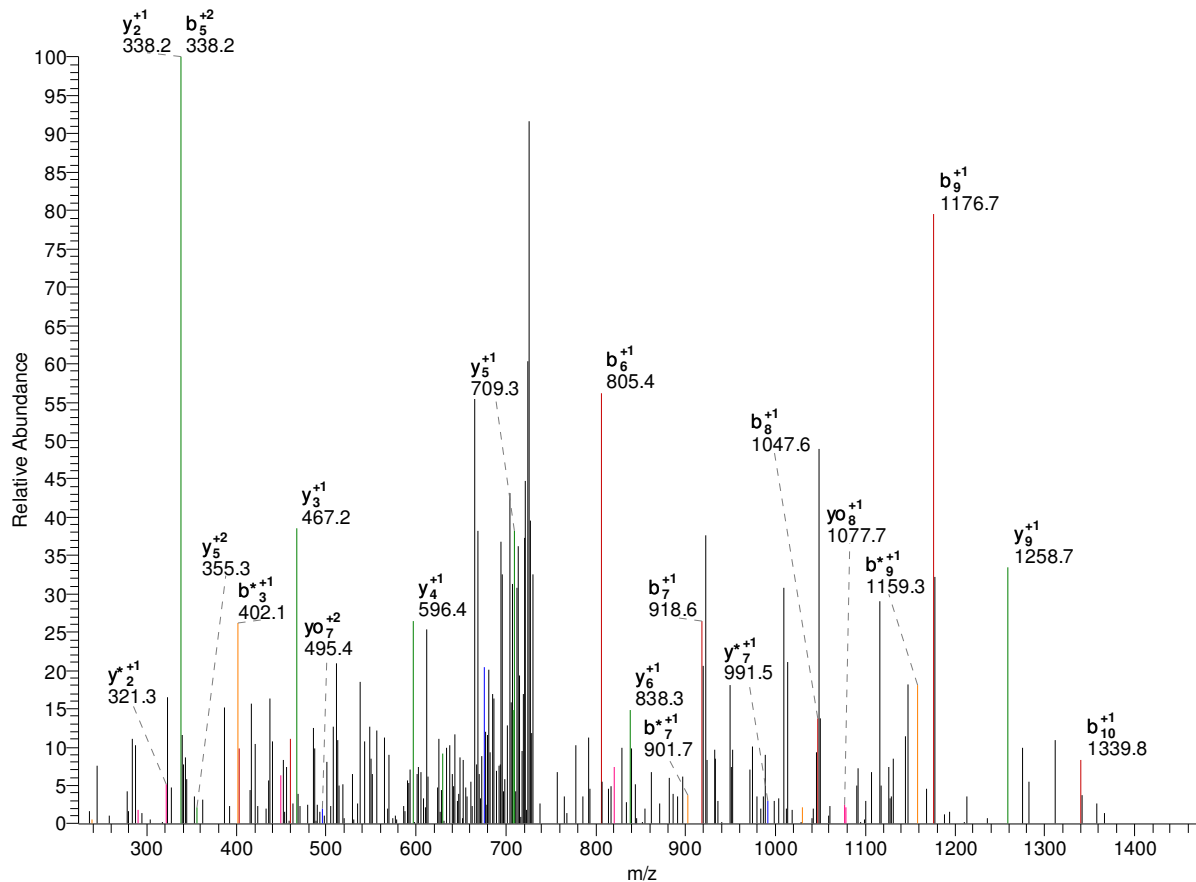
21	V	832.72	827.05	826.72	164.77	159.09	158.77	4
22	F	881.74	876.07	875.74	131.75	126.07	125.74	3
23	A	905.42	899.75	899.42	82.72	77.05	76.72	2
24	R	-	-	-	59.04	53.37	53.04	1

-

1513.76 K.VRYSK*EIEEYR.K

psu|MAL8P1.72 | organism=Plasmodium_falciparum_3D7 | product=high mobility group protein, putative 83 – 94

#2265-2265 NL: 3.62E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	11
2	R	256.18	239.15	238.17	1414.70	1397.67	1396.69	10
3	Y	419.24	402.21	401.23	1258.60	1241.57	1240.58	9
4	S	506.27	489.25	488.26	1095.53	1078.51	1077.52	8
5	K*	676.38	659.35	658.37	1008.50	991.47	990.49	7
6	E	805.42	788.39	787.41	838.39	821.37	820.38	6
7	I	918.50	901.48	900.49	709.35	692.32	691.34	5
8	E	1047.55	1030.52	1029.54	596.27	579.24	578.26	4
9	E	1176.59	1159.56	1158.58	467.22	450.20	449.21	3
10	Y	1339.65	1322.63	1321.64	338.18	321.16	320.17	2
11	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	11

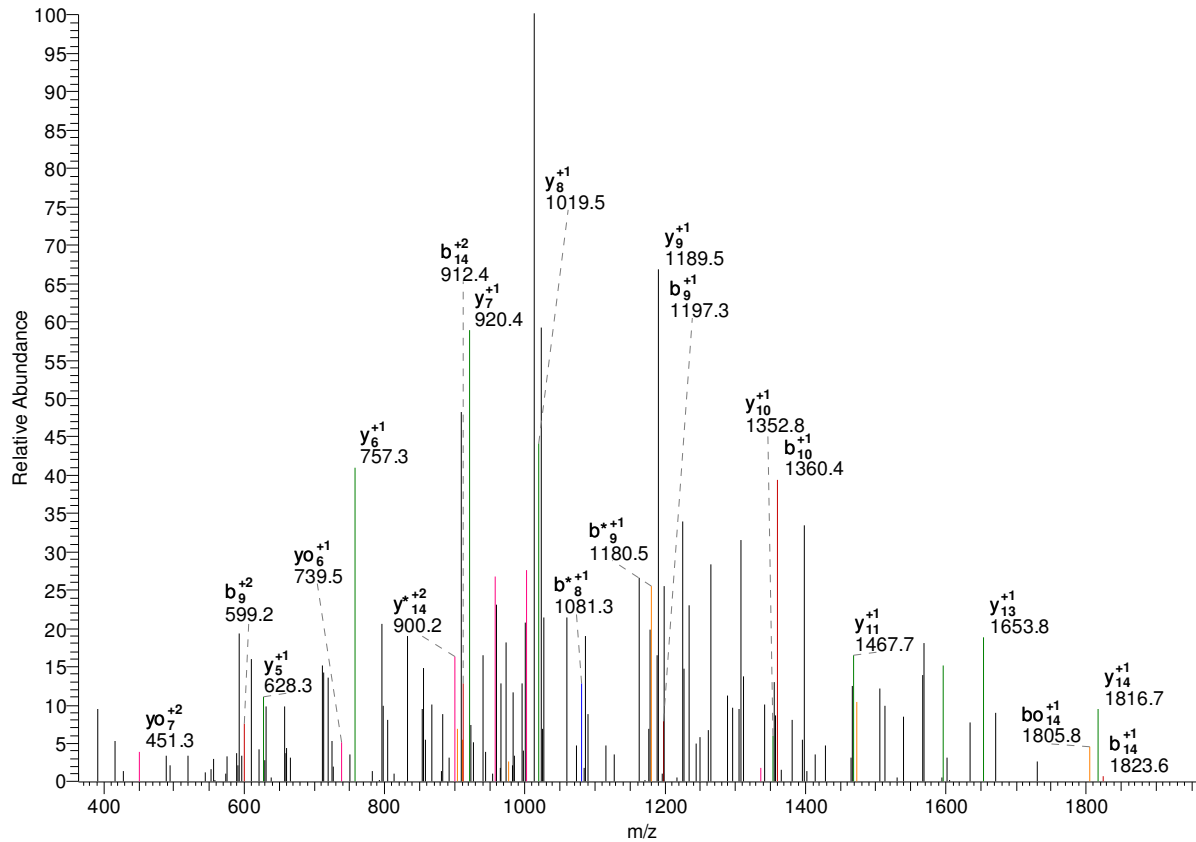
2	R	128.59	120.08	119.59	707.85	699.34	698.85	10
3	Y	210.12	201.61	201.12	629.80	621.29	620.80	9
4	S	253.64	245.13	244.63	548.27	539.76	539.26	8
5	K*	338.69	330.18	329.69	504.75	496.24	495.75	7
6	E	403.21	394.70	394.21	419.70	411.19	410.70	6
7	I	459.76	451.24	450.75	355.18	346.67	346.17	5
8	E	524.28	515.76	515.27	298.64	290.12	289.63	4
9	E	588.80	580.29	579.79	234.12	225.60	225.11	3
10	Y	670.33	661.82	661.32	169.59	161.08	160.59	2
11	R	-	-	-	88.06	79.55	79.06	1

-

2116.93 K.WNYGEDYK*VYEGNYFK.G

psu|PF14_0586 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 204 – 220

#5494-5494 NL: 2.73E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	W	187.09	170.06	169.08	-	-	-	16
2	N	301.13	284.10	283.12	1930.85	1913.82	1912.84	15
3	Y	464.19	447.17	446.18	1816.81	1799.78	1798.80	14
4	G	521.21	504.19	503.20	1653.74	1636.72	1635.73	13
5	E	650.26	633.23	632.25	1596.72	1579.70	1578.71	12
6	D	765.28	748.26	747.27	1467.68	1450.65	1449.67	11
7	Y	928.35	911.32	910.34	1352.65	1335.63	1334.64	10
8	K*	1098.45	1081.43	1080.44	1189.59	1172.56	1171.58	9
9	V	1197.52	1180.49	1179.51	1019.48	1002.46	1001.47	8
10	Y	1360.58	1343.56	1342.57	920.41	903.39	902.40	7
11	E	1489.63	1472.60	1471.62	757.35	740.32	739.34	6
12	G	1546.65	1529.62	1528.64	628.31	611.28	610.30	5
13	N	1660.69	1643.66	1642.68	571.29	554.26	553.28	4
14	Y	1823.75	1806.73	1805.74	457.24	440.22	439.23	3
15	F	1970.82	1953.80	1952.81	294.18	277.15	276.17	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	W	94.05	85.53	85.04	-	-	-	16
2	N	151.07	142.56	142.06	965.93	957.42	956.92	15
3	Y	232.60	224.09	223.59	908.91	900.39	899.90	14
4	G	261.11	252.60	252.11	827.38	818.86	818.37	13
5	E	325.63	317.12	316.63	798.86	790.35	789.86	12
6	D	383.15	374.63	374.14	734.34	725.83	725.34	11
7	Y	464.68	456.16	455.67	676.83	668.32	667.82	10
8	K*	549.73	541.22	540.72	595.30	586.78	586.29	9
9	V	599.26	590.75	590.26	510.25	501.73	501.24	8
10	Y	680.80	672.28	671.79	460.71	452.20	451.71	7
11	E	745.32	736.80	736.31	379.18	370.67	370.17	6
12	G	773.83	765.31	764.82	314.66	306.14	305.65	5
13	N	830.85	822.34	821.84	286.15	277.63	277.14	4
14	Y	912.38	903.87	903.38	229.13	220.61	220.12	3
15	F	985.92	977.40	976.91	147.59	139.08	138.59	2
16	K	-	-	-	74.06	65.55	65.05	1

-

Scan may ID Either peptide

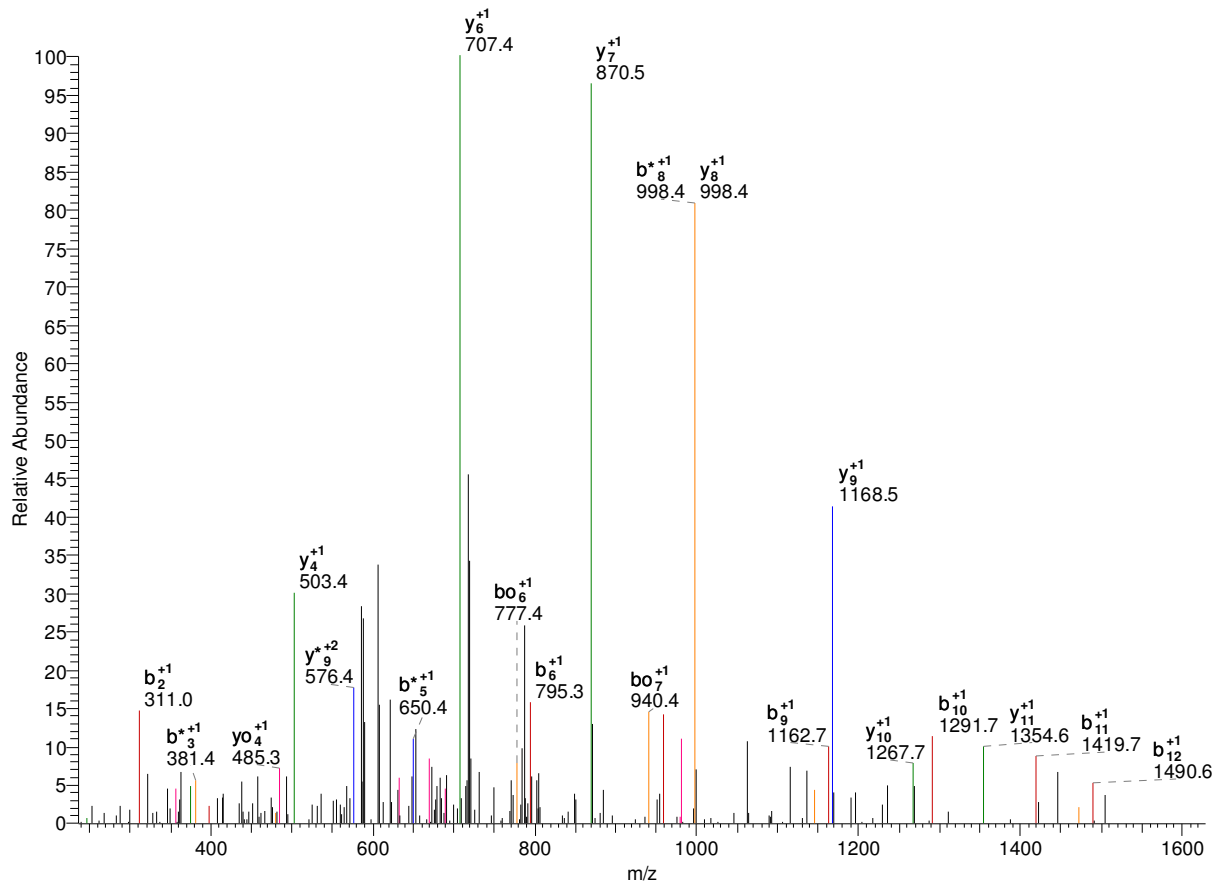
1664.81 R.YFSVK*QYGFEQAR.I

psu|PF10_0075 | organism=Plasmodium_falciparum_3D7 | product=asparagine-rich antigen | location=MAL 550 - 563

1664.88 K.YFSVK*KYGFEKAR.E

psu|PFL1075w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | locat 1899 – 1912

#3994-3994 NL: 7.73E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	13
2	F	311.14	294.11	293.13	1501.82	1484.79	1483.81	12
3	S	398.17	381.14	380.16	1354.75	1337.72	1336.74	11
4	V	497.24	480.21	479.23	1267.72	1250.69	1249.71	10
5	K*	667.34	650.32	649.33	1168.65	1151.62	1150.64	9
6	K	795.44	778.41	777.43	998.54	981.52	980.53	8
7	Y	958.50	941.48	940.49	870.45	853.42	852.44	7
8	G	1015.52	998.50	997.51	707.38	690.36	689.37	6

9	F	1162.59	1145.57	1144.58	650.36	633.34	632.35	5
10	E	1291.64	1274.61	1273.63	503.29	486.27	485.28	4
11	K	1419.73	1402.70	1401.72	374.25	357.22	356.24	3
12	A	1490.77	1473.74	1472.76	246.16	229.13	228.15	2
13	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	13
2	F	156.07	147.56	147.07	751.41	742.90	742.41	12
3	S	199.59	191.08	190.58	677.88	669.36	668.87	11
4	V	249.12	240.61	240.12	634.36	625.85	625.36	10
5	K*	334.18	325.66	325.17	584.83	576.31	575.82	9
6	K	398.22	389.71	389.22	499.77	491.26	490.77	8
7	Y	479.76	471.24	470.75	435.73	427.21	426.72	7
8	G	508.27	499.75	499.26	354.20	345.68	345.19	6
9	F	581.80	573.29	572.79	325.68	317.17	316.68	5
10	E	646.32	637.81	637.32	252.15	243.64	243.15	4
11	K	710.37	701.86	701.36	187.63	179.12	178.62	3
12	A	745.89	737.37	736.88	123.58	115.07	114.58	2
13	R	-	-	-	88.06	79.55	79.06	1

-

1	Y	82.54	74.03	73.53	-	-	-	12
2	G	111.05	102.54	102.04	666.84	658.33	657.84	11
3	I	167.59	159.08	158.59	638.33	629.82	629.33	10
4	D	225.11	216.59	216.10	581.79	573.28	572.79	9
5	K*	310.16	301.64	301.15	524.28	515.76	515.27	8
6	Y	391.69	383.18	382.68	439.22	430.71	430.22	7
7	N	448.71	440.20	439.71	357.69	349.18	348.69	6
8	P	497.24	488.72	488.23	300.67	292.16	291.67	5
9	I	553.78	545.27	544.77	252.14	243.63	243.14	4
10	N	610.80	602.29	601.80	195.60	187.09	186.60	3
11	E	675.32	666.81	666.32	138.58	130.07	129.58	2
12	K	-	-	-	74.06	65.55	65.05	1

-

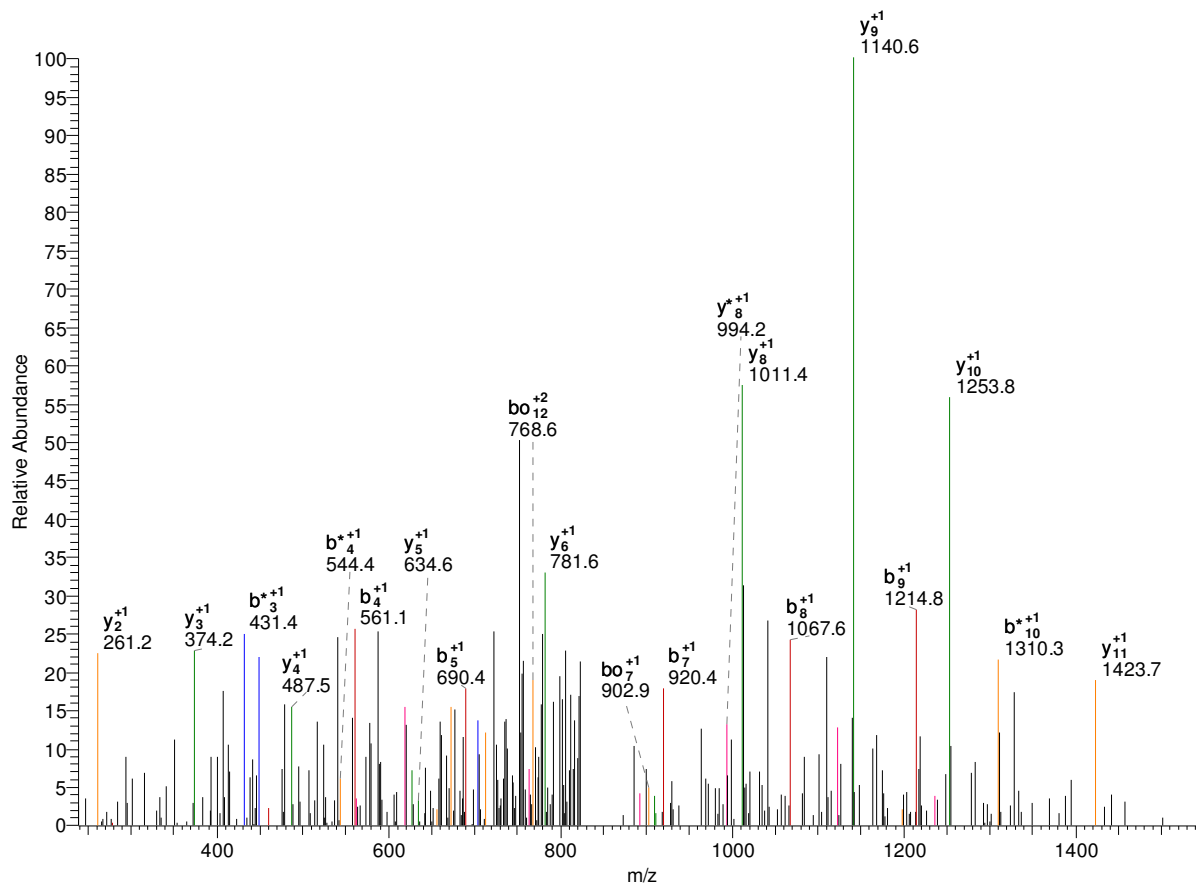
1	Y	82.54	74.03	73.53	-	-	-	12
2	N	139.56	131.05	130.56	639.31	630.79	630.30	11
3	D	197.07	188.56	188.07	582.28	573.77	573.28	10
4	M	262.59	254.08	253.59	524.77	516.26	515.77	9
5	K*	347.65	339.13	338.64	459.25	450.74	450.25	8
6	G	376.16	367.64	367.15	374.20	365.68	365.19	7
7	L	432.70	424.19	423.69	345.69	337.17	336.68	6
8	D	490.21	481.70	481.21	289.15	280.63	280.14	5
9	D	547.73	539.21	538.72	231.63	223.12	222.63	4
10	L	604.27	595.76	595.26	174.12	165.60	165.11	3
11	S	647.78	639.27	638.78	117.58	109.06	108.57	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1700.89 K.YNK*LETEFFILNK.T

psu|PF10_0067 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL10: 285 – 298

#6639-6639 NL: 4.75E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	13
2	N	278.11	261.09	260.10	1537.83	1520.80	1519.82	12
3	K*	448.22	431.19	430.21	1423.78	1406.76	1405.77	11
4	L	561.30	544.28	543.29	1253.68	1236.65	1235.67	10
5	E	690.35	673.32	672.34	1140.59	1123.57	1122.58	9
6	T	791.39	774.37	773.38	1011.55	994.52	993.54	8
7	E	920.44	903.41	902.43	910.50	893.48	892.49	7
8	F	1067.50	1050.48	1049.49	781.46	764.43	763.45	6
9	F	1214.57	1197.55	1196.56	634.39	617.37	616.38	5
10	I	1327.66	1310.63	1309.65	487.32	470.30	469.31	4
11	L	1440.74	1423.71	1422.73	374.24	357.21	356.23	3
12	N	1554.78	1537.76	1536.77	261.16	244.13	243.15	2
13	K	-	-	-	147.11	130.09	129.10	1

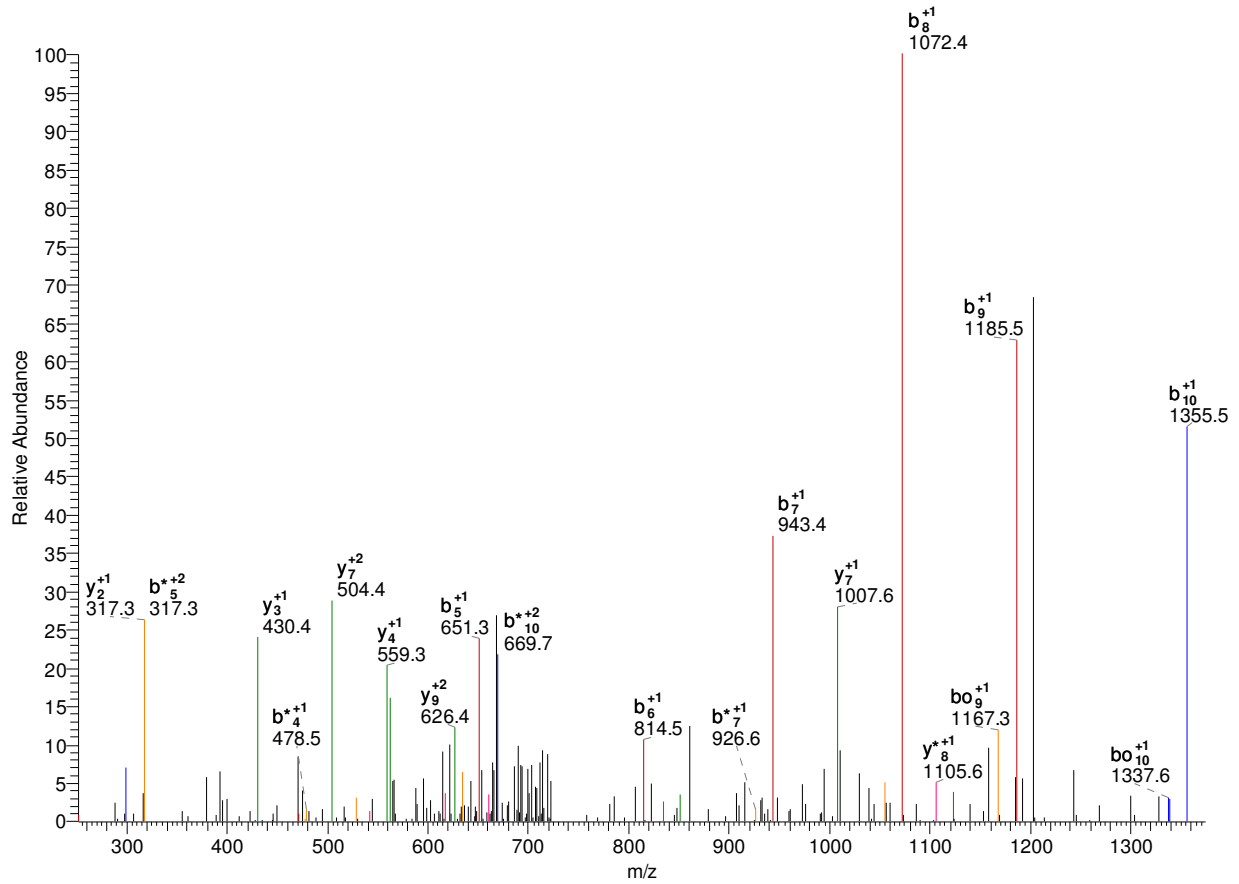
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	13
2	N	139.56	131.05	130.56	769.42	760.90	760.41	12
3	K*	224.61	216.10	215.61	712.40	703.88	703.39	11
4	L	281.16	272.64	272.15	627.34	618.83	618.34	10
5	E	345.68	337.16	336.67	570.80	562.29	561.80	9
6	T	396.20	387.69	387.20	506.28	497.77	497.27	8
7	E	460.72	452.21	451.72	455.76	447.24	446.75	7
8	F	534.26	525.74	525.25	391.23	382.72	382.23	6
9	F	607.79	599.28	598.78	317.70	309.19	308.69	5
10	I	664.33	655.82	655.33	244.17	235.65	235.16	4
11	L	720.87	712.36	711.87	187.62	179.11	178.62	3
12	N	777.90	769.38	768.89	131.08	122.57	122.08	2
13	K	-	-	-	74.06	65.55	65.05	1

-

1501.72 K.YSEDRYEEIK*K.E

psu|PF13_0305 | organism=Plasmodium_falciparum_3D7 | product=elongation factor 1 alpha
 | location=M 159 – 170

#1060-1060 NL: 1.16E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	11
2	S	251.10	234.08	233.09	1338.65	1321.63	1320.64	10
3	E	380.15	363.12	362.13	1251.62	1234.60	1233.61	9
4	D	495.17	478.15	477.16	1122.58	1105.55	1104.57	8
5	R	651.27	634.25	633.26	1007.55	990.53	989.54	7
6	Y	814.34	797.31	796.33	851.45	834.42	833.44	6
7	E	943.38	926.35	925.37	688.39	671.36	670.38	5
8	E	1072.42	1055.40	1054.41	559.34	542.32	541.33	4
9	I	1185.51	1168.48	1167.50	430.30	413.28	412.29	3
10	K*	1355.61	1338.58	1337.60	317.22	300.19	299.21	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	11

2	S	126.05	117.54	117.05	669.83	661.32	660.83	10
3	E	190.58	182.06	181.57	626.31	617.80	617.31	9
4	D	248.09	239.58	239.08	561.79	553.28	552.79	8
5	R	326.14	317.63	317.13	504.28	495.77	495.27	7
6	Y	407.67	399.16	398.67	426.23	417.72	417.22	6
7	E	472.19	463.68	463.19	344.70	336.18	335.69	5
8	E	536.71	528.20	527.71	280.18	271.66	271.17	4
9	I	593.26	584.74	584.25	215.65	207.14	206.65	3
10	K*	678.31	669.80	669.30	159.11	150.60	150.11	2
11	K	-	-	-	74.06	65.55	65.05	1

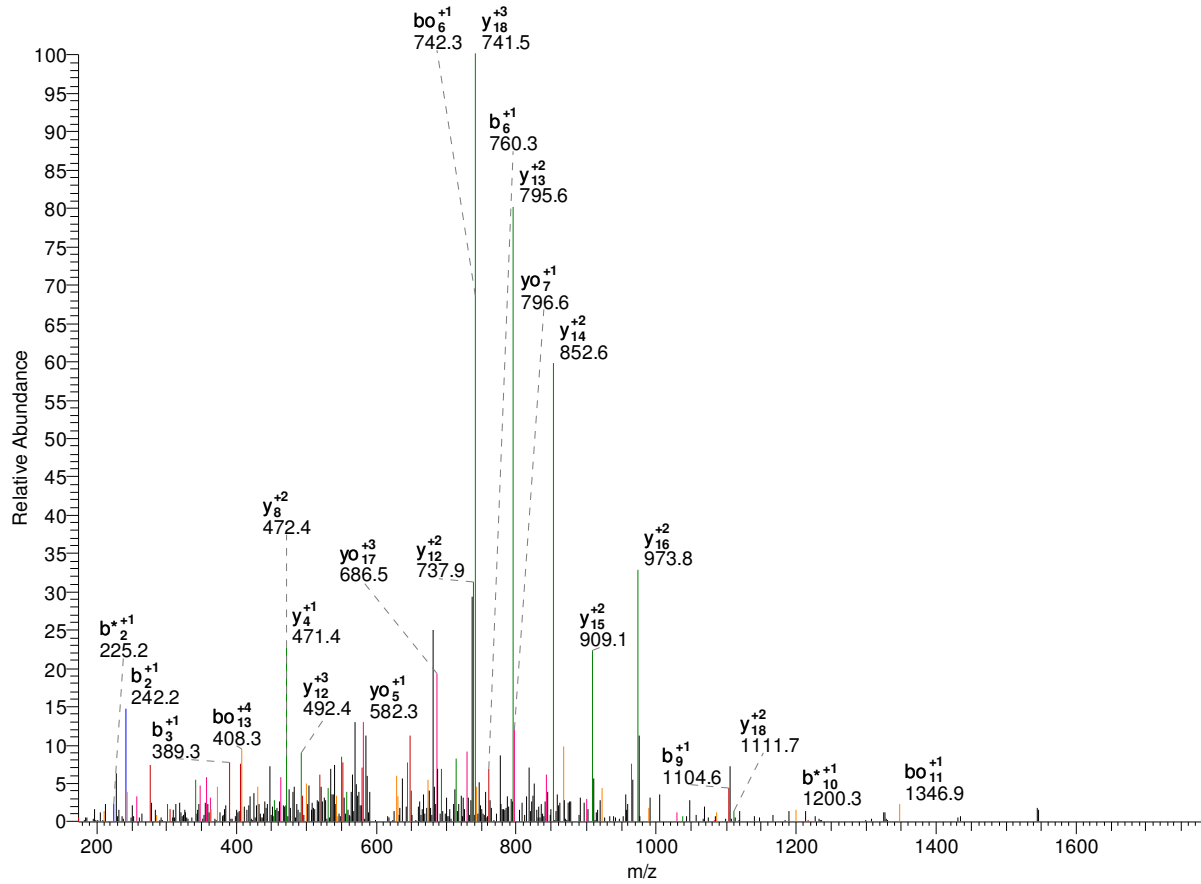
-

2463.28

R.AK*FEELNDDLFRETLEPVKK.V

psu|PFI0875w | organism=Plasmodium_falciparum_3D7 | product=Heat shock protein | location=MAL9:7379 321 – 341

#7720-7720 NL: 2.97E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	20
2	K*	242.15	225.12	224.14	2392.24	2375.21	2374.23	19
3	F	389.22	372.19	371.21	2222.13	2205.11	2204.12	18
4	E	518.26	501.23	500.25	2075.07	2058.04	2057.05	17
5	E	647.30	630.28	629.29	1946.02	1929.00	1928.01	16
6	L	760.39	743.36	742.38	1816.98	1799.95	1798.97	15
7	N	874.43	857.40	856.42	1703.90	1686.87	1685.89	14
8	D	989.46	972.43	971.45	1589.85	1572.83	1571.84	13
9	D	1104.48	1087.46	1086.47	1474.83	1457.80	1456.82	12
10	L	1217.57	1200.54	1199.56	1359.80	1342.77	1341.79	11
11	F	1364.64	1347.61	1346.63	1246.72	1229.69	1228.70	10
12	R	1520.74	1503.71	1502.73	1099.65	1082.62	1081.64	9
13	E	1649.78	1632.75	1631.77	943.55	926.52	925.54	8
14	T	1750.83	1733.80	1732.82	814.50	797.48	796.49	7
15	L	1863.91	1846.89	1845.90	713.46	696.43	695.45	6
16	E	1992.95	1975.93	1974.94	600.37	583.34	582.36	5
17	P	2090.01	2072.98	2072.00	471.33	454.30	453.32	4
18	V	2189.08	2172.05	2171.07	374.28	357.25	356.27	3

19	K	2317.17	2300.14	2299.16	275.21	258.18	257.20	2
20	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	20
2	K*	121.58	113.07	112.57	1196.62	1188.11	1187.62	19
3	F	195.11	186.60	186.11	1111.57	1103.06	1102.57	18
4	E	259.63	251.12	250.63	1038.04	1029.52	1029.03	17
5	E	324.16	315.64	315.15	973.52	965.00	964.51	16
6	L	380.70	372.18	371.69	908.99	900.48	899.99	15
7	N	437.72	429.21	428.71	852.45	843.94	843.45	14
8	D	495.23	486.72	486.23	795.43	786.92	786.43	13
9	D	552.75	544.23	543.74	737.92	729.40	728.91	12
10	L	609.29	600.77	600.28	680.40	671.89	671.40	11
11	F	682.82	674.31	673.82	623.86	615.35	614.86	10
12	R	760.87	752.36	751.87	550.33	541.81	541.32	9
13	E	825.39	816.88	816.39	472.28	463.76	463.27	8
14	T	875.92	867.40	866.91	407.76	399.24	398.75	7
15	L	932.46	923.95	923.45	357.23	348.72	348.23	6
16	E	996.98	988.47	987.98	300.69	292.18	291.68	5
17	P	1045.51	1036.99	1036.50	236.17	227.65	227.16	4
18	V	1095.04	1086.53	1086.04	187.64	179.13	178.64	3
19	K	1159.09	1150.58	1150.08	138.11	129.59	129.10	2
20	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	A	24.69	19.01	18.68	-	-	-	20
2	K*	81.39	75.71	75.38	798.08	792.41	792.08	19
3	F	130.41	124.74	124.41	741.38	735.71	735.38	18
4	E	173.43	167.75	167.42	692.36	686.68	686.36	17
5	E	216.44	210.76	210.44	649.35	643.67	643.34	16
6	L	254.13	248.46	248.13	606.33	600.66	600.33	15
7	N	292.15	286.47	286.14	568.64	562.96	562.63	14
8	D	330.49	324.82	324.49	530.62	524.95	524.62	13
9	D	368.83	363.16	362.83	492.28	486.60	486.28	12
10	L	406.53	400.85	400.52	453.94	448.26	447.93	11
11	F	455.55	449.87	449.55	416.24	410.57	410.24	10
12	R	507.58	501.91	501.58	367.22	361.54	361.22	9
13	E	550.60	544.92	544.59	315.19	309.51	309.18	8
14	T	584.28	578.61	578.28	272.17	266.50	266.17	7
15	L	621.98	616.30	615.97	238.49	232.81	232.49	6
16	E	664.99	659.31	658.99	200.80	195.12	194.79	5
17	P	697.34	691.67	691.34	157.78	152.11	151.78	4
18	V	730.36	724.69	724.36	125.43	119.75	119.43	3
19	K	773.06	767.39	767.06	92.41	86.73	86.40	2
20	K	-	-	-	49.71	44.03	43.71	1

-

+4 Ions		B	B*	B0	Y	Y*	Y0	
1	A	18.77	14.51	14.26	-	-	-	20
2	K*	61.29	57.04	56.79	598.82	594.56	594.31	19
3	F	98.06	93.80	93.56	556.29	552.03	551.79	18

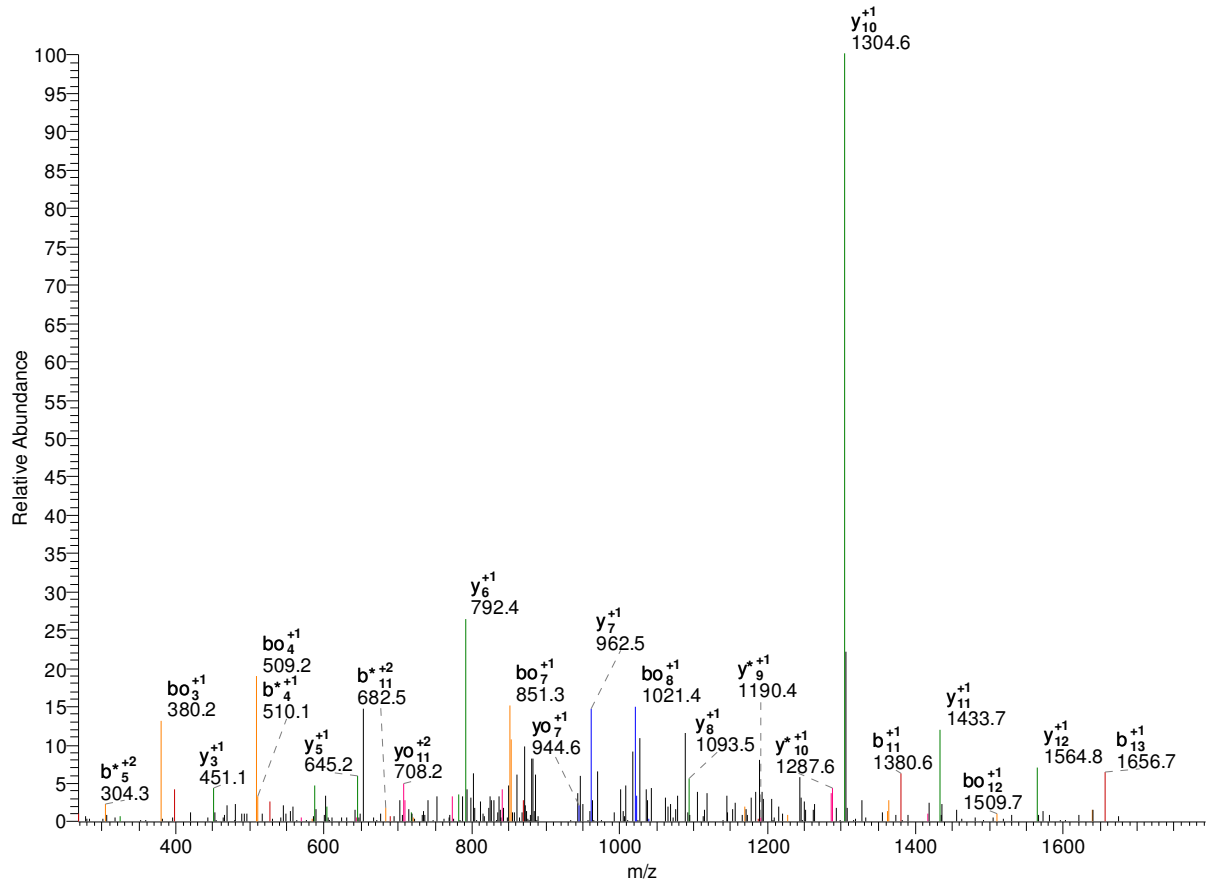
4	E	130.32	126.06	125.82	519.52	515.27	515.02	17
5	E	162.58	158.32	158.08	487.26	483.00	482.76	16
6	L	190.85	186.60	186.35	455.00	450.74	450.50	15
7	N	219.36	215.11	214.86	426.73	422.47	422.23	14
8	D	248.12	243.86	243.62	398.22	393.96	393.72	13
9	D	276.88	272.62	272.37	369.46	365.21	364.96	12
10	L	305.15	300.89	300.64	340.71	336.45	336.20	11
11	F	341.91	337.66	337.41	312.43	308.18	307.93	10
12	R	380.94	376.68	376.44	275.67	271.41	271.16	9
13	E	413.20	408.94	408.70	236.64	232.39	232.14	8
14	T	438.46	434.21	433.96	204.38	200.12	199.88	7
15	L	466.73	462.48	462.23	179.12	174.86	174.62	6
16	E	498.99	494.74	494.49	150.85	146.59	146.35	5
17	P	523.26	519.00	518.75	118.59	114.33	114.09	4
18	V	548.02	543.77	543.52	94.32	90.07	89.82	3
19	K	580.05	575.79	575.55	69.56	65.30	65.05	2
20	K	-	-	-	37.53	33.28	33.03	1

—

1830.81 R.EHMEPNMK*FGHFER.K

psu|PFD0595w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein,
conserved | locat 481 – 495

#3355-3355 NL: 2.31E2



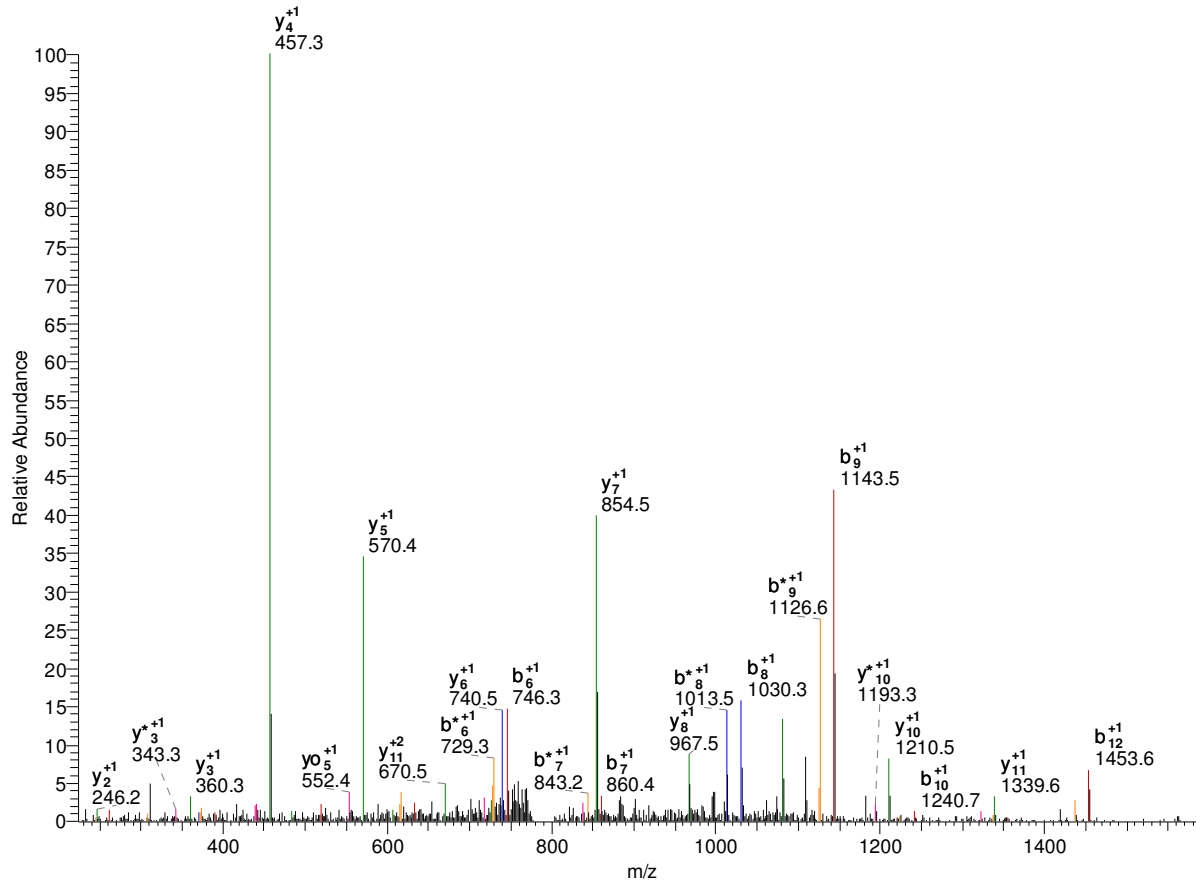
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	14
2	H	267.11	250.08	249.10	1701.76	1684.74	1683.75	13
3	M	398.15	381.12	380.14	1564.70	1547.68	1546.69	12
4	E	527.19	510.17	509.18	1433.66	1416.64	1415.65	11
5	P	624.24	607.22	606.23	1304.62	1287.59	1286.61	10
6	N	738.29	721.26	720.28	1207.57	1190.54	1189.56	9
7	M	869.33	852.30	851.32	1093.52	1076.50	1075.51	8
8	K*	1039.43	1022.41	1021.42	962.48	945.46	944.47	7
9	F	1186.50	1169.48	1168.49	792.38	775.35	774.37	6
10	G	1243.52	1226.50	1225.51	645.31	628.28	627.30	5
11	H	1380.58	1363.56	1362.57	588.29	571.26	570.28	4
12	F	1527.65	1510.62	1509.64	451.23	434.20	433.22	3
13	E	1656.69	1639.67	1638.68	304.16	287.13	286.15	2
14	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	14
2	H	134.06	125.54	125.05	851.38	842.87	842.38	13
3	M	199.58	191.06	190.57	782.86	774.34	773.85	12
4	E	264.10	255.59	255.09	717.34	708.82	708.33	11
5	P	312.63	304.11	303.62	652.81	644.30	643.81	10
6	N	369.65	361.13	360.64	604.29	595.77	595.28	9
7	M	435.17	426.65	426.16	547.27	538.75	538.26	8
8	K*	520.22	511.71	511.22	481.75	473.23	472.74	7
9	F	593.75	585.24	584.75	396.69	388.18	387.69	6
10	G	622.27	613.75	613.26	323.16	314.65	314.15	5
11	H	690.79	682.28	681.79	294.65	286.13	285.64	4
12	F	764.33	755.82	755.32	226.12	217.61	217.11	3
13	E	828.85	820.34	819.85	152.58	144.07	143.58	2
14	R	-	-	-	88.06	79.55	79.06	1

1599.87 R.FLEENINK*LPNVK.I

psu|PF08_0113 | organism=Plasmodium_falciparum_3D7 | product=vacuolar proton-translocating ATPase s 63 – 76

#6024-6024 NL: 1.42E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	F	148.08	131.05	130.07	-	-	-	13
2	L	261.16	244.13	243.15	1452.81	1435.78	1434.80	12
3	E	390.20	373.18	372.19	1339.72	1322.70	1321.71	11
4	E	519.24	502.22	501.23	1210.68	1193.65	1192.67	10
5	N	633.29	616.26	615.28	1081.64	1064.61	1063.63	9
6	I	746.37	729.35	728.36	967.59	950.57	949.58	8
7	N	860.41	843.39	842.40	854.51	837.48	836.50	7
8	K*	1030.52	1013.49	1012.51	740.47	723.44	722.46	6
9	L	1143.60	1126.58	1125.59	570.36	553.33	552.35	5
10	P	1240.66	1223.63	1222.65	457.28	440.25	439.27	4
11	N	1354.70	1337.67	1336.69	360.22	343.20	342.21	3
12	V	1453.77	1436.74	1435.76	246.18	229.15	228.17	2
13	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	F	74.54	66.03	65.54	-	-	-	13
2	L	131.08	122.57	122.08	726.91	718.39	717.90	12
3	E	195.60	187.09	186.60	670.36	661.85	661.36	11
4	E	260.13	251.61	251.12	605.84	597.33	596.84	10
5	N	317.15	308.63	308.14	541.32	532.81	532.32	9
6	I	373.69	365.18	364.68	484.30	475.79	475.30	8
7	N	430.71	422.20	421.71	427.76	419.25	418.75	7
8	K*	515.76	507.25	506.76	370.74	362.22	361.73	6
9	L	572.31	563.79	563.30	285.68	277.17	276.68	5
10	P	620.83	612.32	611.83	229.14	220.63	220.14	4
11	N	677.85	669.34	668.85	180.62	172.10	171.61	3
12	V	727.39	718.87	718.38	123.59	115.08	114.59	2
13	K	-	-	-	74.06	65.55	65.05	1

-

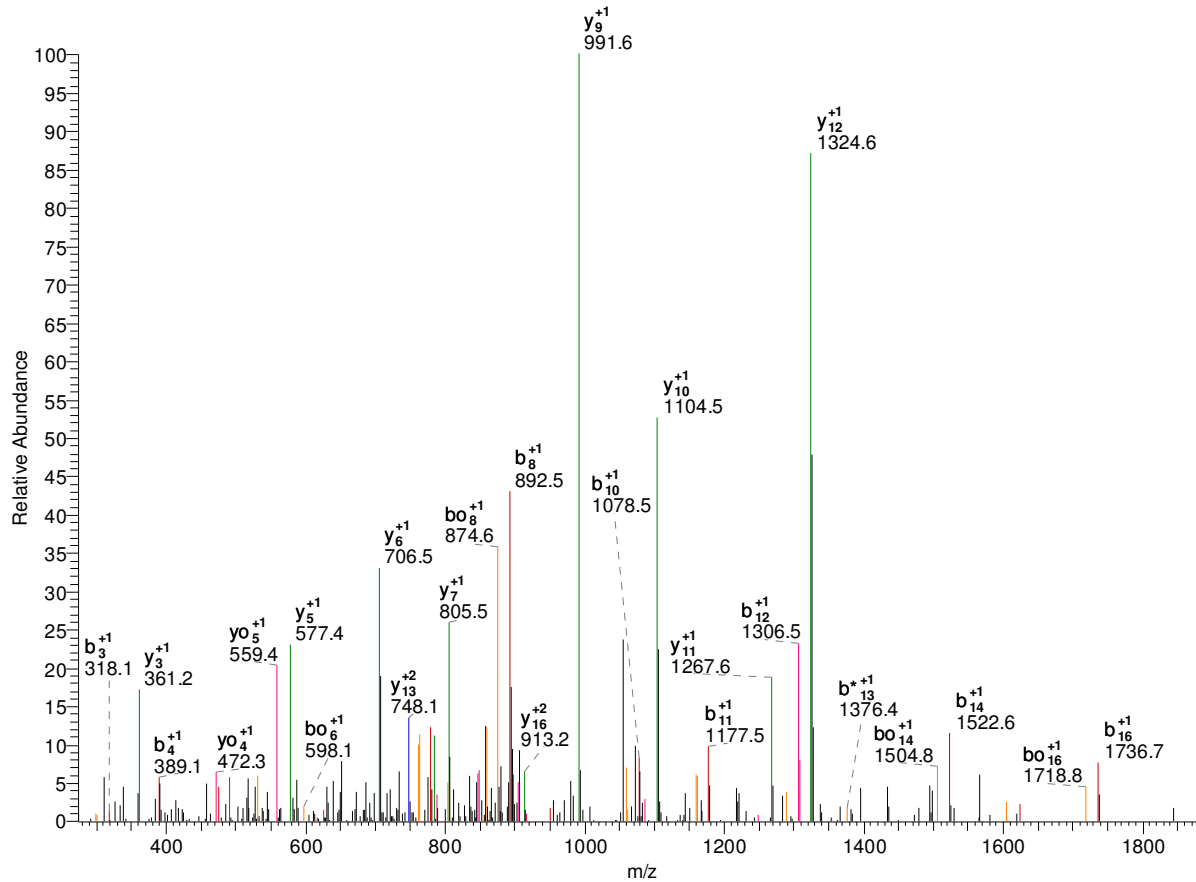
1	F	74.54	66.03	65.54	-	-	-	12
2	Q	138.57	130.06	129.57	721.35	712.83	712.34	11
3	D	196.08	187.57	187.08	657.32	648.80	648.31	10
4	K*	281.14	272.62	272.13	599.80	591.29	590.80	9
5	D	338.65	330.14	329.65	514.75	506.24	505.75	8
6	Y	420.18	411.67	411.18	457.24	448.72	448.23	7
7	V	469.72	461.20	460.71	375.71	367.19	366.70	6
8	F	543.25	534.74	534.25	326.17	317.66	317.17	5
9	D	600.76	592.25	591.76	252.64	244.12	243.63	4
10	I	657.31	648.79	648.30	195.12	186.61	186.12	3
11	E	721.83	713.31	712.82	138.58	130.07	129.58	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1882.98 R.GIFAK*GYLGEVESETIK.K

psu|PFI1780w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL9:14 262 – 279

#6374-6374 NL: 1.38E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	17
2	I	171.11	154.09	153.10	1825.96	1808.93	1807.95	16
3	F	318.18	301.15	300.17	1712.87	1695.85	1694.86	15
4	A	389.22	372.19	371.21	1565.81	1548.78	1547.80	14
5	K*	559.32	542.30	541.31	1494.77	1477.74	1476.76	13
6	G	616.35	599.32	598.33	1324.66	1307.64	1306.65	12
7	Y	779.41	762.38	761.40	1267.64	1250.62	1249.63	11
8	L	892.49	875.47	874.48	1104.58	1087.55	1086.57	10
9	G	949.51	932.49	931.50	991.49	974.47	973.48	9
10	E	1078.56	1061.53	1060.55	934.47	917.45	916.46	8
11	V	1177.63	1160.60	1159.61	805.43	788.40	787.42	7
12	E	1306.67	1289.64	1288.66	706.36	689.34	688.35	6
13	S	1393.70	1376.67	1375.69	577.32	560.29	559.31	5
14	E	1522.74	1505.72	1504.73	490.29	473.26	472.28	4
15	T	1623.79	1606.76	1605.78	361.24	344.22	343.23	3
16	I	1736.87	1719.85	1718.86	260.20	243.17	242.19	2

17	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

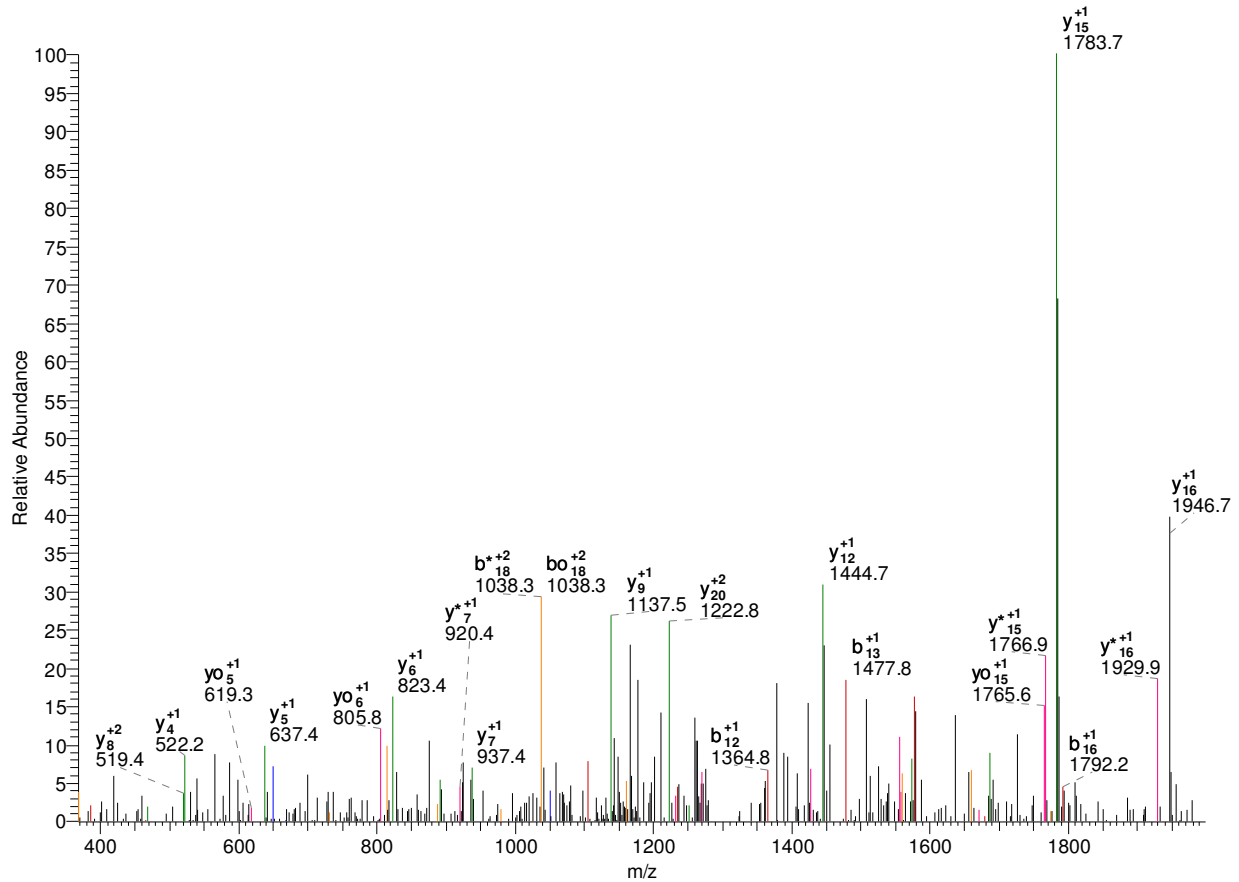
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	17
2	I	86.06	77.55	77.05	913.48	904.97	904.48	16
3	F	159.59	151.08	150.59	856.94	848.43	847.94	15
4	A	195.11	186.60	186.11	783.41	774.89	774.40	14
5	K*	280.17	271.65	271.16	747.89	739.37	738.88	13
6	G	308.68	300.16	299.67	662.84	654.32	653.83	12
7	Y	390.21	381.69	381.20	634.32	625.81	625.32	11
8	L	446.75	438.24	437.74	552.79	544.28	543.79	10
9	G	475.26	466.75	466.26	496.25	487.74	487.25	9
10	E	539.78	531.27	530.78	467.74	459.23	458.73	8
11	V	589.32	580.80	580.31	403.22	394.71	394.21	7
12	E	653.84	645.32	644.83	353.68	345.17	344.68	6
13	S	697.35	688.84	688.35	289.16	280.65	280.16	5
14	E	761.87	753.36	752.87	245.65	237.13	236.64	4
15	T	812.40	803.89	803.39	181.13	172.61	172.12	3
16	I	868.94	860.43	859.94	130.60	122.09	121.60	2
17	K	-	-	-	74.06	65.55	65.05	1

-

2614.32 R.GILTLK*YPIEHGIVTNWDDMEK.I

psu|PFL2215w | organism=Plasmodium_falciparum_3D7 | product=actin |
 location=MAL12:1920771-1921901(63 – 85

#9853-9853 NL: 1.13E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	22
2	I	171.11	154.09	153.10	2557.30	2540.27	2539.29	21
3	L	284.20	267.17	266.19	2444.22	2427.19	2426.21	20
4	T	385.24	368.22	367.23	2331.13	2314.11	2313.12	19
5	L	498.33	481.30	480.32	2230.08	2213.06	2212.07	18
6	K*	668.43	651.41	650.42	2117.00	2099.97	2098.99	17
7	Y	831.50	814.47	813.49	1946.90	1929.87	1928.88	16
8	P	928.55	911.52	910.54	1783.83	1766.81	1765.82	15
9	I	1041.63	1024.61	1023.62	1686.78	1669.75	1668.77	14
10	E	1170.68	1153.65	1152.67	1573.70	1556.67	1555.68	13
11	H	1307.74	1290.71	1289.73	1444.65	1427.63	1426.64	12
12	G	1364.76	1347.73	1346.75	1307.59	1290.57	1289.58	11
13	I	1477.84	1460.81	1459.83	1250.57	1233.55	1232.56	10
14	V	1576.91	1559.88	1558.90	1137.49	1120.46	1119.48	9
15	T	1677.96	1660.93	1659.95	1038.42	1021.39	1020.41	8
16	N	1792.00	1774.97	1773.99	937.37	920.35	919.36	7
17	W	1978.08	1961.05	1960.07	823.33	806.30	805.32	6
18	D	2093.11	2076.08	2075.10	637.25	620.22	619.24	5

19	D	2208.13	2191.11	2190.12	522.22	505.20	504.21	4
20	M	2339.17	2322.15	2321.16	407.20	390.17	389.19	3
21	E	2468.22	2451.19	2450.21	276.16	259.13	258.14	2
22	K	-	-	-	147.11	130.09	129.10	1

-

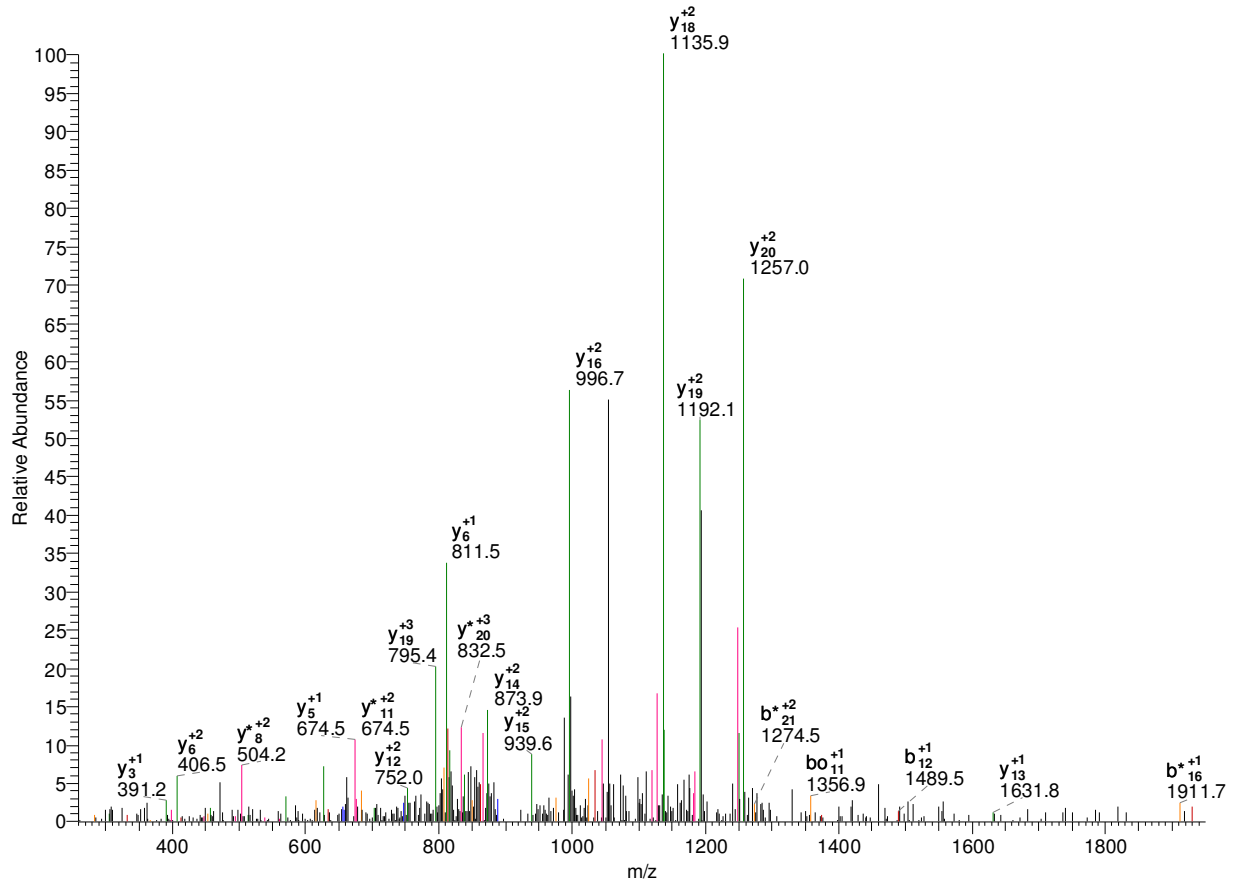
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	22
2	I	86.06	77.55	77.05	1279.15	1270.64	1270.15	21
3	L	142.60	134.09	133.60	1222.61	1214.10	1213.61	20
4	T	193.13	184.61	184.12	1166.07	1157.56	1157.06	19
5	L	249.67	241.15	240.66	1115.55	1107.03	1106.54	18
6	K*	334.72	326.21	325.72	1059.00	1050.49	1050.00	17
7	Y	416.25	407.74	407.25	973.95	965.44	964.95	16
8	P	464.78	456.27	455.77	892.42	883.91	883.41	15
9	I	521.32	512.81	512.32	843.89	835.38	834.89	14
10	E	585.84	577.33	576.84	787.35	778.84	778.35	13
11	H	654.37	645.86	645.37	722.83	714.32	713.82	12
12	G	682.88	674.37	673.88	654.30	645.79	645.30	11
13	I	739.42	730.91	730.42	625.79	617.28	616.78	10
14	V	788.96	780.45	779.95	569.25	560.73	560.24	9
15	T	839.48	830.97	830.48	519.71	511.20	510.71	8
16	N	896.50	887.99	887.50	469.19	460.68	460.18	7
17	W	989.54	981.03	980.54	412.17	403.65	403.16	6
18	D	1047.06	1038.54	1038.05	319.13	310.62	310.12	5
19	D	1104.57	1096.06	1095.57	261.62	253.10	252.61	4
20	M	1170.09	1161.58	1161.09	204.10	195.59	195.10	3
21	E	1234.61	1226.10	1225.61	138.58	130.07	129.58	2
22	K	-	-	-	74.06	65.55	65.05	1

-

2739.30 R.GK*ELYDNMDEHDLNLVHK*LSER.K

psu|PF14_0487 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14: 557 – 579

#7074-7074 NL: 2.58E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	22
2	K*	228.13	211.11	210.12	2682.28	2665.26	2664.27	21
3	E	357.18	340.15	339.17	2512.18	2495.15	2494.17	20
4	L	470.26	453.23	452.25	2383.13	2366.11	2365.12	19
5	Y	633.32	616.30	615.31	2270.05	2253.02	2252.04	18
6	D	748.35	731.32	730.34	2106.99	2089.96	2088.98	17
7	N	862.39	845.37	844.38	1991.96	1974.93	1973.95	16
8	M	993.43	976.41	975.42	1877.92	1860.89	1859.91	15
9	D	1108.46	1091.44	1090.45	1746.88	1729.85	1728.87	14
10	E	1237.50	1220.48	1219.49	1631.85	1614.82	1613.84	13
11	H	1374.56	1357.54	1356.55	1502.81	1485.78	1484.80	12
12	D	1489.59	1472.56	1471.58	1365.75	1348.72	1347.74	11
13	L	1602.67	1585.65	1584.66	1250.72	1233.70	1232.71	10
14	N	1716.72	1699.69	1698.71	1137.64	1120.61	1119.63	9
15	L	1829.80	1812.77	1811.79	1023.59	1006.57	1005.58	8
16	V	1928.87	1911.84	1910.86	910.51	893.48	892.50	7
17	H	2065.93	2048.90	2047.92	811.44	794.42	793.43	6

18	K*	2236.03	2219.01	2218.02	674.38	657.36	656.37	5
19	L	2349.12	2332.09	2331.11	504.28	487.25	486.27	4
20	S	2436.15	2419.12	2418.14	391.19	374.17	373.18	3
21	E	2565.19	2548.17	2547.18	304.16	287.13	286.15	2
22	R	-	-	-	175.12	158.09	157.11	1

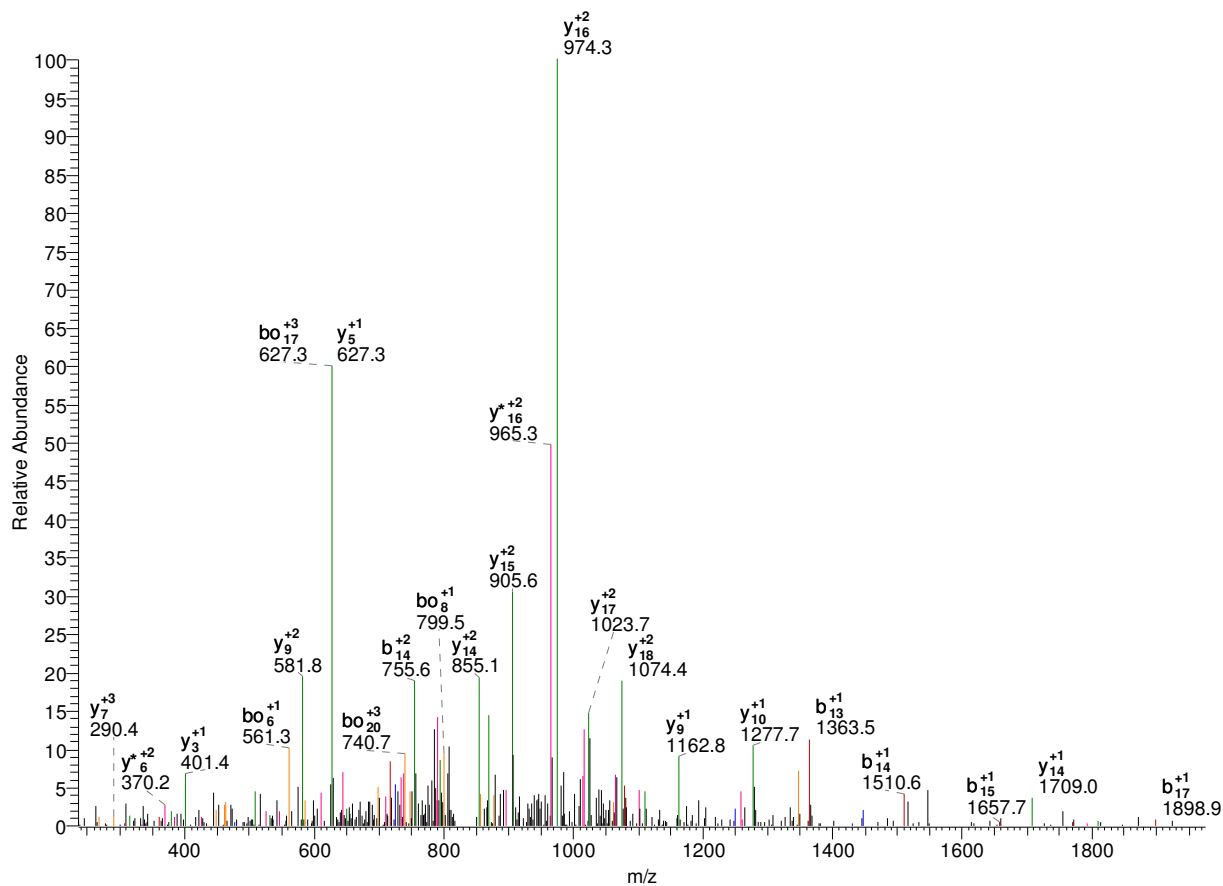
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	22
2	K*	114.57	106.06	105.57	1341.65	1333.13	1332.64	21
3	E	179.09	170.58	170.09	1256.59	1248.08	1247.59	20
4	L	235.63	227.12	226.63	1192.07	1183.56	1183.07	19
5	Y	317.17	308.65	308.16	1135.53	1127.02	1126.52	18
6	D	374.68	366.17	365.67	1054.00	1045.48	1044.99	17
7	N	431.70	423.19	422.70	996.48	987.97	987.48	16
8	M	497.22	488.71	488.22	939.46	930.95	930.46	15
9	D	554.73	546.22	545.73	873.94	865.43	864.94	14
10	E	619.26	610.74	610.25	816.43	807.92	807.42	13
11	H	687.79	679.27	678.78	751.91	743.39	742.90	12
12	D	745.30	736.79	736.29	683.38	674.86	674.37	11
13	L	801.84	793.33	792.84	625.86	617.35	616.86	10
14	N	858.86	850.35	849.86	569.32	560.81	560.32	9
15	L	915.40	906.89	906.40	512.30	503.79	503.30	8
16	V	964.94	956.43	955.93	455.76	447.25	446.75	7
17	H	1033.47	1024.95	1024.46	406.22	397.71	397.22	6
18	K*	1118.52	1110.01	1109.52	337.70	329.18	328.69	5
19	L	1175.06	1166.55	1166.06	252.64	244.13	243.64	4
20	S	1218.58	1210.07	1209.57	196.10	187.59	187.10	3
21	E	1283.10	1274.59	1274.09	152.58	144.07	143.58	2
22	R	-	-	-	88.06	79.55	79.06	1

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	G	20.01	14.34	14.01	-	-	-	22
2	K*	76.72	71.04	70.71	894.77	889.09	888.76	21
3	E	119.73	114.05	113.73	838.06	832.39	832.06	20
4	L	157.43	151.75	151.42	795.05	789.37	789.05	19
5	Y	211.78	206.10	205.78	757.36	751.68	751.35	18
6	D	250.12	244.45	244.12	703.00	697.33	697.00	17
7	N	288.14	282.46	282.13	664.66	658.98	658.65	16
8	M	331.82	326.14	325.81	626.64	620.97	620.64	15
9	D	370.16	364.48	364.16	582.96	577.29	576.96	14
10	E	413.17	407.50	407.17	544.62	538.95	538.62	13
11	H	458.86	453.18	452.86	501.61	495.93	495.60	12
12	D	497.20	491.53	491.20	455.92	450.25	449.92	11
13	L	534.90	529.22	528.89	417.58	411.90	411.58	10
14	N	572.91	567.23	566.91	379.88	374.21	373.88	9
15	L	610.61	604.93	604.60	341.87	336.19	335.87	8
16	V	643.63	637.95	637.62	304.18	298.50	298.17	7
17	H	689.31	683.64	683.31	271.15	265.48	265.15	6
18	K*	746.02	740.34	740.01	225.47	219.79	219.46	5
19	L	783.71	778.04	777.71	168.76	163.09	162.76	4
20	S	812.72	807.05	806.72	131.07	125.39	125.07	3
21	E	855.74	850.06	849.73	102.06	96.38	96.06	2
22	R	-	-	-	59.04	53.37	53.04	1

272525.32 R.GSYATVHTGGFK*DFFLKPELLR.A

psu|PFB0445c | organism=Plasmodium_falciparum_3D7 | product=helicase, putative | location=MAL2:4042 46 – 68

#7963-7963 NL: 2.34E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	22
2	S	145.06	128.03	127.05	2468.30	2451.27	2450.29	21
3	Y	308.12	291.10	290.11	2381.27	2364.24	2363.25	20
4	A	379.16	362.13	361.15	2218.20	2201.18	2200.19	19
5	T	480.21	463.18	462.20	2147.16	2130.14	2129.15	18
6	V	579.28	562.25	561.27	2046.12	2029.09	2028.11	17
7	H	716.34	699.31	698.33	1947.05	1930.02	1929.04	16
8	T	817.38	800.36	799.37	1809.99	1792.96	1791.98	15
9	G	874.41	857.38	856.39	1708.94	1691.92	1690.93	14
10	G	931.43	914.40	913.42	1651.92	1634.89	1633.91	13
11	F	1078.50	1061.47	1060.48	1594.90	1577.87	1576.89	12
12	K*	1248.60	1231.57	1230.59	1447.83	1430.80	1429.82	11
13	D	1363.63	1346.60	1345.62	1277.73	1260.70	1259.71	10
14	F	1510.70	1493.67	1492.69	1162.70	1145.67	1144.69	9
15	F	1657.76	1640.74	1639.75	1015.63	998.60	997.62	8
16	L	1770.85	1753.82	1752.84	868.56	851.53	850.55	7

17	K	1898.94	1881.92	1880.93	755.48	738.45	737.47	6
18	P	1996.00	1978.97	1977.99	627.38	610.36	609.37	5
19	E	2125.04	2108.01	2107.03	530.33	513.30	512.32	4
20	L	2238.12	2221.10	2220.11	401.29	384.26	383.28	3
21	L	2351.21	2334.18	2333.20	288.20	271.18	270.19	2
22	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	22
2	S	73.03	64.52	64.03	1234.65	1226.14	1225.65	21
3	Y	154.57	146.05	145.56	1191.14	1182.62	1182.13	20
4	A	190.08	181.57	181.08	1109.60	1101.09	1100.60	19
5	T	240.61	232.09	231.60	1074.09	1065.57	1065.08	18
6	V	290.14	281.63	281.14	1023.56	1015.05	1014.56	17
7	H	358.67	350.16	349.67	974.03	965.51	965.02	16
8	T	409.20	400.68	400.19	905.50	896.99	896.49	15
9	G	437.71	429.19	428.70	854.97	846.46	845.97	14
10	G	466.22	457.70	457.21	826.46	817.95	817.46	13
11	F	539.75	531.24	530.75	797.95	789.44	788.95	12
12	K*	624.80	616.29	615.80	724.42	715.91	715.41	11
13	D	682.32	673.80	673.31	639.37	630.85	630.36	10
14	F	755.85	747.34	746.85	581.85	573.34	572.85	9
15	F	829.39	820.87	820.38	508.32	499.81	499.31	8
16	L	885.93	877.41	876.92	434.78	426.27	425.78	7
17	K	949.98	941.46	940.97	378.24	369.73	369.24	6
18	P	998.50	989.99	989.50	314.19	305.68	305.19	5
19	E	1063.02	1054.51	1054.02	265.67	257.16	256.66	4
20	L	1119.57	1111.05	1110.56	201.15	192.63	192.14	3
21	L	1176.11	1167.59	1167.10	144.61	136.09	135.60	2
22	R	-	-	-	88.06	79.55	79.06	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	G	20.01	14.34	14.01	-	-	-	22
2	S	49.03	43.35	43.02	823.44	817.76	817.43	21
3	Y	103.38	97.70	97.38	794.43	788.75	788.42	20
4	A	127.06	121.38	121.06	740.07	734.40	734.07	19
5	T	160.74	155.07	154.74	716.39	710.72	710.39	18
6	V	193.76	188.09	187.76	682.71	677.04	676.71	17
7	H	239.45	233.77	233.45	649.69	644.01	643.68	16
8	T	273.13	267.46	267.13	604.00	598.33	598.00	15
9	G	292.14	286.46	286.14	570.32	564.64	564.32	14
10	G	311.15	305.47	305.14	551.31	545.64	545.31	13
11	F	360.17	354.49	354.17	532.30	526.63	526.30	12
12	K*	416.87	411.20	410.87	483.28	477.61	477.28	11
13	D	455.21	449.54	449.21	426.58	420.90	420.58	10
14	F	504.24	498.56	498.23	388.24	382.56	382.23	9
15	F	553.26	547.58	547.26	339.21	333.54	333.21	8
16	L	590.95	585.28	584.95	290.19	284.52	284.19	7
17	K	633.65	627.98	627.65	252.50	246.82	246.49	6
18	P	666.00	660.33	660.00	209.80	204.12	203.80	5
19	E	709.02	703.34	703.01	177.45	171.77	171.44	4
20	L	746.71	741.04	740.71	134.43	128.76	128.43	3
21	L	784.41	778.73	778.40	96.74	91.06	90.74	2

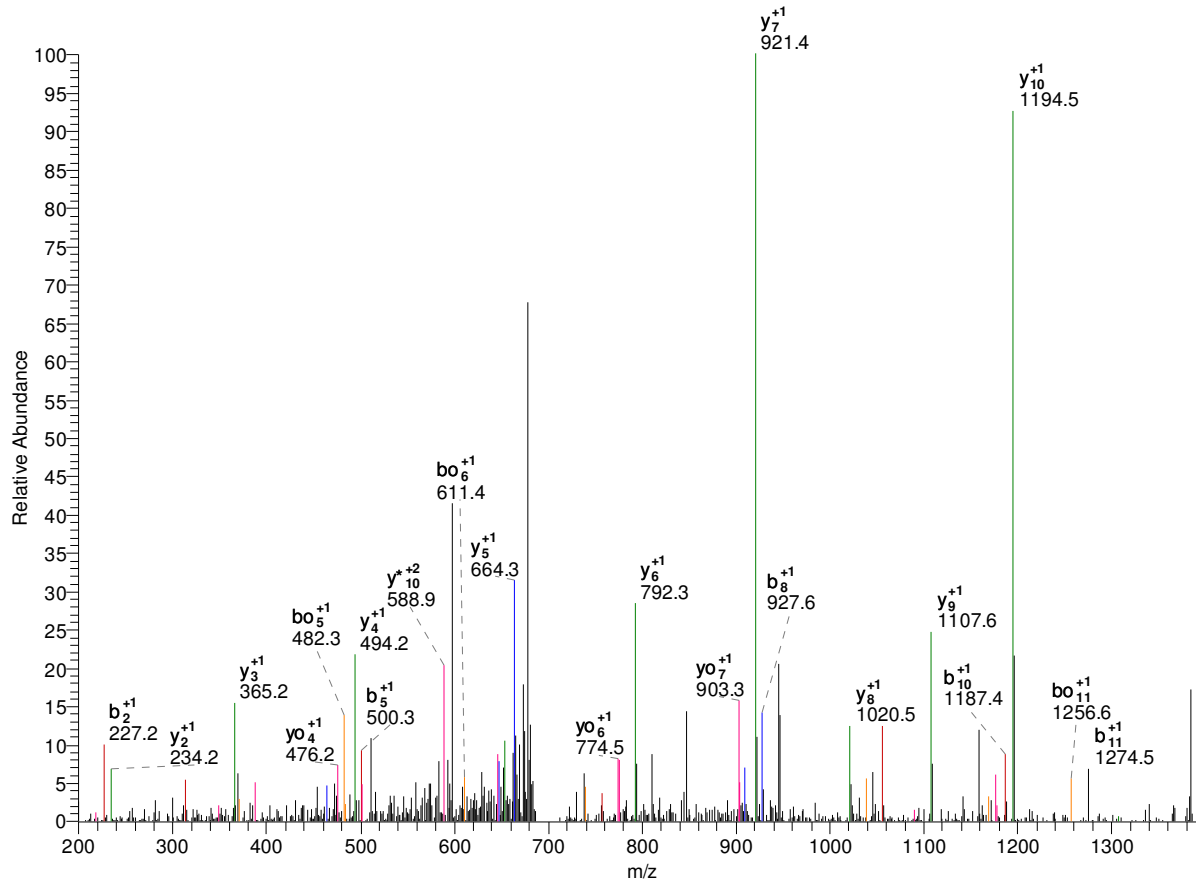
22	R	-	-	-	59.04	53.37	53.04	1
----	---	---	---	---	-------	-------	-------	---

-

1420.74 R.IISSVEQK*EMSK.A

psu|MAL8P1.69 | organism=Plasmodium_falciparum_3D7 | product=14-3-3 protein
 homologue, putative | | 73 – 85

#2167-2167 NL: 6.16E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	12
2	I	227.18	210.15	209.16	1307.65	1290.62	1289.64	11
3	S	314.21	297.18	296.20	1194.57	1177.54	1176.56	10
4	S	401.24	384.21	383.23	1107.54	1090.51	1089.52	9
5	V	500.31	483.28	482.30	1020.50	1003.48	1002.49	8
6	E	629.35	612.32	611.34	921.43	904.41	903.42	7
7	Q	757.41	740.38	739.40	792.39	775.37	774.38	6
8	K*	927.51	910.49	909.50	664.33	647.31	646.32	5
9	E	1056.56	1039.53	1038.55	494.23	477.20	476.22	4
10	M	1187.60	1170.57	1169.59	365.19	348.16	347.17	3
11	S	1274.63	1257.60	1256.62	234.14	217.12	216.13	2
12	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
---------	--	---	----	----	---	----	----	--

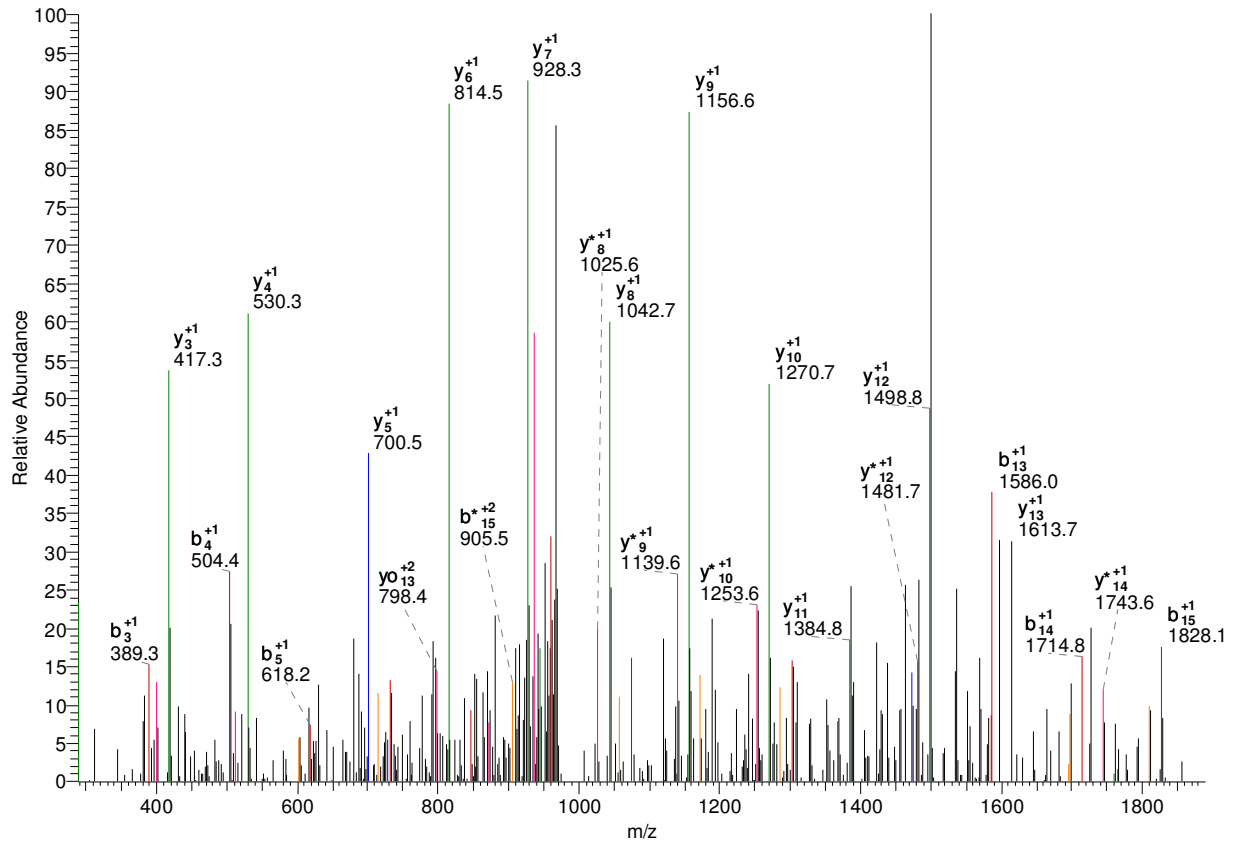
1	I	57.55	49.04	48.54	-	-	-	12
2	I	114.09	105.58	105.09	654.33	645.82	645.32	11
3	S	157.61	149.09	148.60	597.79	589.27	588.78	10
4	S	201.12	192.61	192.12	554.27	545.76	545.27	9
5	V	250.66	242.14	241.65	510.76	502.24	501.75	8
6	E	315.18	306.67	306.17	461.22	452.71	452.22	7
7	Q	379.21	370.69	370.20	396.70	388.19	387.69	6
8	K*	464.26	455.75	455.26	332.67	324.16	323.67	5
9	E	528.78	520.27	519.78	247.62	239.10	238.61	4
10	M	594.30	585.79	585.30	183.10	174.58	174.09	3
11	S	637.82	629.31	628.81	117.58	109.06	108.57	2
12	K	-	-	-	74.06	65.55	65.05	1

-

2002.01 R.IKFDNNNNNNNK*IEIR.K

psu|PF11_0254 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11: 203 – 219

#2871-2871 NL: 6.21E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	16
2	K	242.19	225.16	224.18	1888.93	1871.90	1870.92	15
3	F	389.25	372.23	371.24	1760.83	1743.80	1742.82	14
4	D	504.28	487.26	486.27	1613.76	1596.74	1595.75	13
5	N	618.32	601.30	600.31	1498.74	1481.71	1480.73	12
6	N	732.37	715.34	714.36	1384.69	1367.67	1366.68	11
7	N	846.41	829.38	828.40	1270.65	1253.62	1252.64	10
8	N	960.45	943.43	942.44	1156.61	1139.58	1138.60	9
9	N	1074.50	1057.47	1056.49	1042.56	1025.54	1024.55	8
10	N	1188.54	1171.51	1170.53	928.52	911.49	910.51	7
11	N	1302.58	1285.56	1284.57	814.48	797.45	796.47	6
12	K*	1472.69	1455.66	1454.68	700.44	683.41	682.42	5
13	I	1585.77	1568.75	1567.76	530.33	513.30	512.32	4
14	E	1714.81	1697.79	1696.80	417.25	400.22	399.24	3
15	I	1827.90	1810.87	1809.89	288.20	271.18	270.19	2
16	R	-	-	-	175.12	158.09	157.11	1

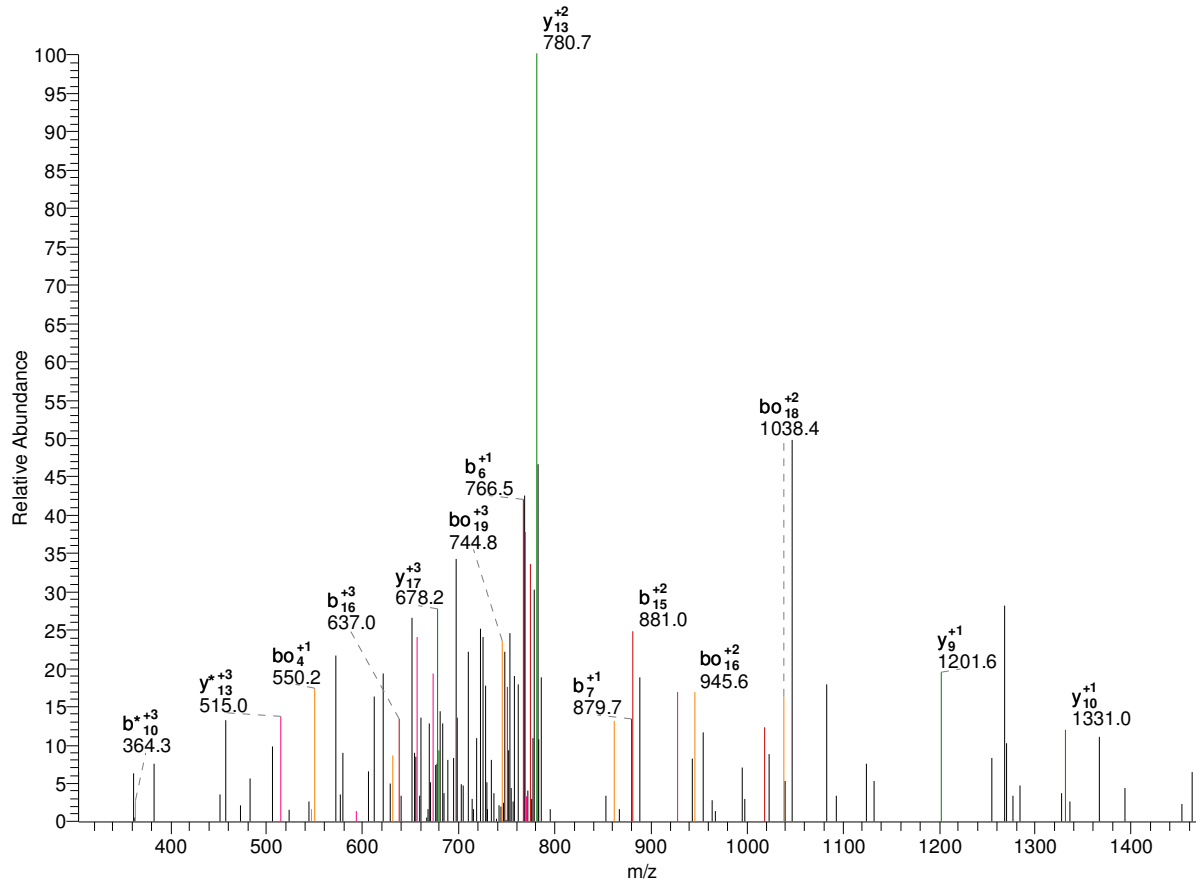
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	16
2	K	121.60	113.08	112.59	944.97	936.45	935.96	15
3	F	195.13	186.62	186.13	880.92	872.41	871.91	14
4	D	252.64	244.13	243.64	807.38	798.87	798.38	13
5	N	309.67	301.15	300.66	749.87	741.36	740.87	12
6	N	366.69	358.17	357.68	692.85	684.34	683.84	11
7	N	423.71	415.20	414.70	635.83	627.32	626.82	10
8	N	480.73	472.22	471.73	578.81	570.29	569.80	9
9	N	537.75	529.24	528.75	521.79	513.27	512.78	8
10	N	594.77	586.26	585.77	464.76	456.25	455.76	7
11	N	651.79	643.28	642.79	407.74	399.23	398.74	6
12	K*	736.85	728.33	727.84	350.72	342.21	341.72	5
13	I	793.39	784.88	784.38	265.67	257.16	256.66	4
14	E	857.91	849.40	848.91	209.13	200.61	200.12	3
15	I	914.45	905.94	905.45	144.61	136.09	135.60	2
16	R	-	-	-	88.06	79.55	79.06	1

-

2438.24 R.IYKYPTLGGDEYFITQGRK*.K

psu|PFL1345c | organism=Plasmodium_falciparum_3D7 | product=radical SAM protein, putative | locatio 663 – 683

#822-822 NL: 2.71E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	20
2	Y	277.15	260.13	259.14	2325.16	2308.13	2307.14	19
3	K	405.25	388.22	387.24	2162.09	2145.07	2144.08	18
4	Y	568.31	551.29	550.30	2034.00	2016.97	2015.99	17
5	P	665.37	648.34	647.36	1870.93	1853.91	1852.92	16
6	T	766.41	749.39	748.40	1773.88	1756.85	1755.87	15
7	L	879.50	862.47	861.49	1672.83	1655.81	1654.82	14
8	G	936.52	919.49	918.51	1559.75	1542.72	1541.74	13
9	G	993.54	976.51	975.53	1502.73	1485.70	1484.72	12
10	D	1108.57	1091.54	1090.56	1445.71	1428.68	1427.70	11
11	E	1237.61	1220.58	1219.60	1330.68	1313.65	1312.67	10
12	Y	1400.67	1383.65	1382.66	1201.64	1184.61	1183.63	9
13	F	1547.74	1530.72	1529.73	1038.57	1021.55	1020.56	8
14	I	1660.83	1643.80	1642.82	891.50	874.48	873.49	7
15	T	1761.87	1744.85	1743.86	778.42	761.39	760.41	6
16	F	1908.94	1891.92	1890.93	677.37	660.35	659.36	5
17	Q	2037.00	2019.97	2018.99	530.30	513.28	512.29	4
18	G	2094.02	2077.00	2076.01	402.25	385.22	384.24	3

19	R	2250.12	2233.10	2232.11	345.22	328.20	327.21	2
20	K*	-	-	-	189.12	172.10	171.11	1

—

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	20
2	Y	139.08	130.57	130.08	1163.08	1154.57	1154.08	19
3	K	203.13	194.62	194.12	1081.55	1073.04	1072.54	18
4	Y	284.66	276.15	275.65	1017.50	1008.99	1008.50	17
5	P	333.19	324.67	324.18	935.97	927.46	926.97	16
6	T	383.71	375.20	374.71	887.44	878.93	878.44	15
7	L	440.25	431.74	431.25	836.92	828.41	827.91	14
8	G	468.76	460.25	459.76	780.38	771.86	771.37	13
9	G	497.27	488.76	488.27	751.87	743.35	742.86	12
10	D	554.79	546.27	545.78	723.36	714.84	714.35	11
11	E	619.31	610.80	610.30	665.84	657.33	656.84	10
12	Y	700.84	692.33	691.83	601.32	592.81	592.32	9
13	F	774.37	765.86	765.37	519.79	511.28	510.78	8
14	I	830.92	822.40	821.91	446.26	437.74	437.25	7
15	T	881.44	872.93	872.44	389.71	381.20	380.71	6
16	F	954.97	946.46	945.97	339.19	330.68	330.18	5
17	Q	1019.00	1010.49	1010.00	265.66	257.14	256.65	4
18	G	1047.51	1039.00	1038.51	201.63	193.11	192.62	3
19	R	1125.57	1117.05	1116.56	173.12	164.60	164.11	2
20	K*	-	-	-	95.07	86.55	86.06	1

—

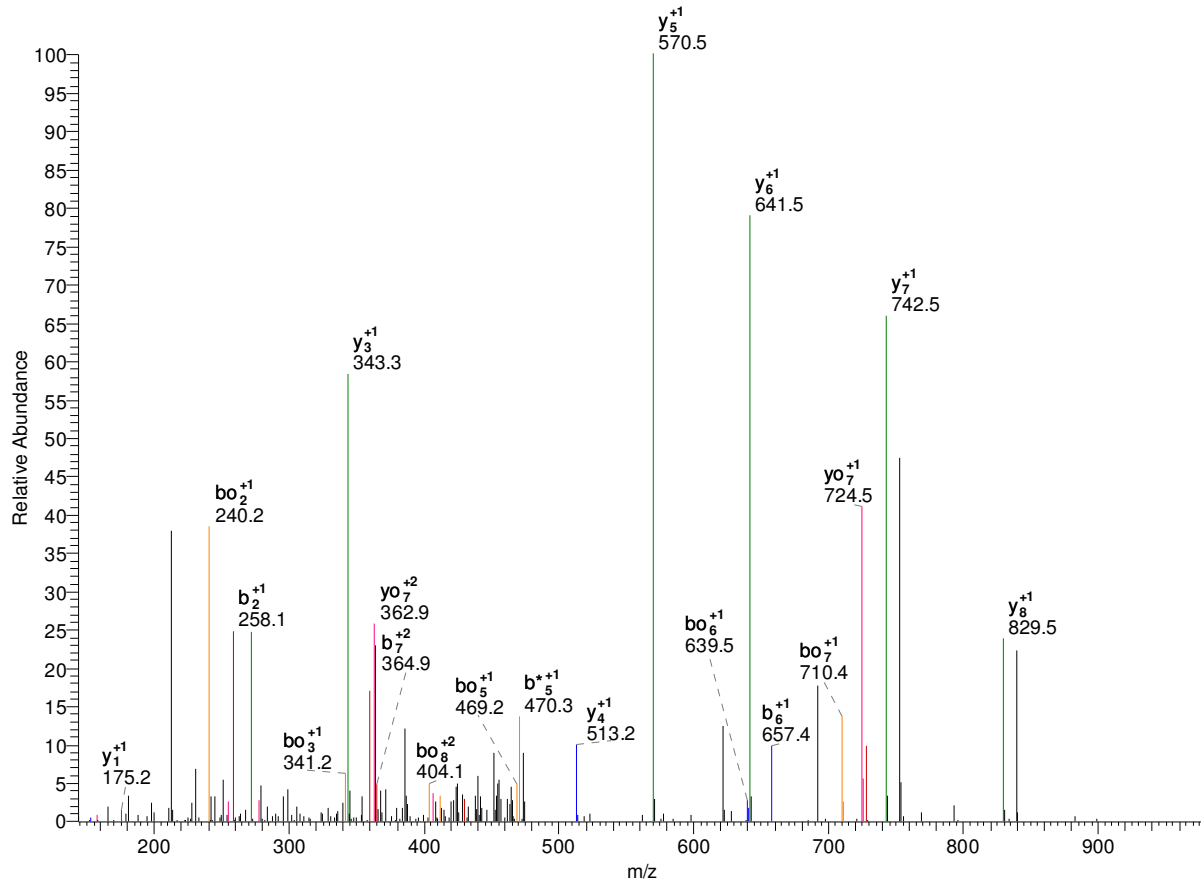
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	I	38.70	33.03	32.70	-	-	-	20
2	Y	93.06	87.38	87.05	775.72	770.05	769.72	19
3	K	135.75	130.08	129.75	721.37	715.69	715.37	18
4	Y	190.11	184.43	184.11	678.67	672.99	672.67	17
5	P	222.46	216.78	216.46	624.32	618.64	618.31	16
6	T	256.14	250.47	250.14	591.97	586.29	585.96	15
7	L	293.84	288.16	287.83	558.28	552.61	552.28	14
8	G	312.84	307.17	306.84	520.59	514.91	514.58	13
9	G	331.85	326.18	325.85	501.58	495.91	495.58	12
10	D	370.19	364.52	364.19	482.57	476.90	476.57	11
11	E	413.21	407.53	407.20	444.23	438.56	438.23	10
12	Y	467.56	461.89	461.56	401.22	395.54	395.21	9
13	F	516.59	510.91	510.58	346.86	341.19	340.86	8
14	I	554.28	548.60	548.28	297.84	292.16	291.84	7
15	T	587.96	582.29	581.96	260.15	254.47	254.14	6
16	F	636.99	631.31	630.98	226.46	220.79	220.46	5
17	Q	679.67	674.00	673.67	177.44	171.76	171.44	4
18	G	698.68	693.00	692.68	134.75	129.08	128.75	3
19	R	750.71	745.04	744.71	115.75	110.07	109.74	2
20	K*	-	-	-	63.71	58.04	57.71	1

—

999.56 R.K*STAGK*APR.K

psu|PFF0510w | organism=Plasmodium_falciparum_3D7 | product=histone H3, putative | location=MAL6:44 9 – 18

#202-202 NL: 2.23E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	9
2	S	258.14	241.12	240.13	829.45	812.43	811.44	8
3	T	359.19	342.17	341.18	742.42	725.39	724.41	7
4	A	430.23	413.20	412.22	641.37	624.35	623.36	6
5	G	487.25	470.22	469.24	570.34	553.31	552.33	5
6	K*	657.36	640.33	639.35	513.31	496.29	495.30	4
7	A	728.39	711.37	710.38	343.21	326.18	325.20	3
8	P	825.45	808.42	807.44	272.17	255.15	254.16	2
9	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	9
2	S	129.58	121.06	120.57	415.23	406.72	406.22	8

3	T	180.10	171.59	171.09	371.71	363.20	362.71	7
4	A	215.62	207.11	206.61	321.19	312.68	312.18	6
5	G	244.13	235.62	235.12	285.67	277.16	276.67	5
6	K*	329.18	320.67	320.18	257.16	248.65	248.16	4
7	A	364.70	356.19	355.70	172.11	163.59	163.10	3
8	P	413.23	404.71	404.22	136.59	128.08	127.58	2
9	R	-	-	-	88.06	79.55	79.06	1

-

1	K	65.05	56.54	56.05	-	-	-	12
2	H	133.58	125.07	124.58	731.86	723.35	722.86	11
3	D	191.10	182.58	182.09	663.33	654.82	654.33	10
4	K*	276.15	267.64	267.15	605.82	597.31	596.82	9
5	E	340.67	332.16	331.67	520.77	512.26	511.76	8
6	D	398.19	389.67	389.18	456.25	447.73	447.24	7
7	F	471.72	463.21	462.71	398.73	390.22	389.73	6
8	L	528.26	519.75	519.26	325.20	316.69	316.19	5
9	I	584.80	576.29	575.80	268.66	260.14	259.65	4
10	F	658.34	649.82	649.33	212.12	203.60	203.11	3
11	E	722.86	714.35	713.85	138.58	130.07	129.58	2
12	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K	43.71	38.03	37.70	-	-	-	12
2	H	89.39	83.72	83.39	488.25	482.57	482.24	11
3	D	127.73	122.06	121.73	442.56	436.88	436.56	10
4	K*	184.44	178.76	178.43	404.22	398.54	398.21	9
5	E	227.45	221.77	221.45	347.51	341.84	341.51	8
6	D	265.79	260.12	259.79	304.50	298.83	298.50	7
7	F	314.82	309.14	308.81	266.16	260.48	260.15	6
8	L	352.51	346.83	346.51	217.14	211.46	211.13	5
9	I	390.20	384.53	384.20	179.44	173.77	173.44	4
10	F	439.23	433.55	433.22	141.75	136.07	135.74	3
11	E	482.24	476.57	476.24	92.72	87.05	86.72	2
12	K	-	-	-	49.71	44.03	43.71	1

-

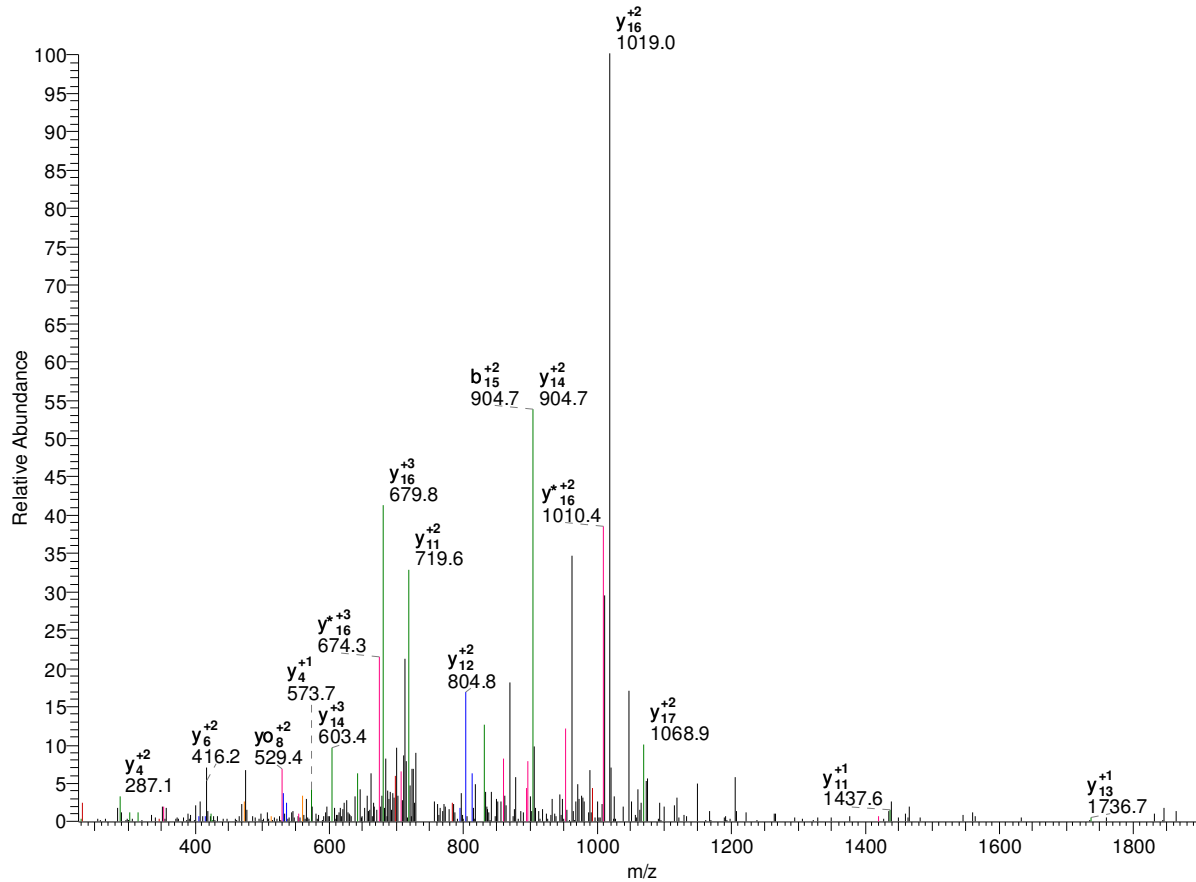
1	L	57.55	49.04	48.54	-	-	-	12
2	L	114.09	105.58	105.09	733.41	724.90	724.40	11
3	Q	178.12	169.61	169.12	676.87	668.35	667.86	10
4	S	221.64	213.12	212.63	612.84	604.33	603.83	9
5	K*	306.69	298.18	297.68	569.32	560.81	560.32	8
6	L	363.23	354.72	354.23	484.27	475.76	475.26	7
7	H	431.76	423.25	422.76	427.73	419.21	418.72	6
8	K*	516.81	508.30	507.81	359.20	350.68	350.19	5
9	K	580.86	572.35	571.86	274.15	265.63	265.14	4
10	E	645.38	636.87	636.38	210.10	201.58	201.09	3
11	D	702.90	694.38	693.89	145.58	137.06	136.57	2
12	R	-	-	-	88.06	79.55	79.06	1

-

2267.07 R.MVNDAEK*YKAEDEENRKR.I

psu|PF08_0054 | organism=Plasmodium_falciparum_3D7 | product=heat shock 70 kDa protein
 | location=M 530 – 548

#510-510 NL: 2.79E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	M	132.05	115.02	114.04	-	-	-	18
2	V	231.12	214.09	213.11	2136.03	2119.01	2118.02	17
3	N	345.16	328.13	327.15	2036.96	2019.94	2018.95	16
4	D	460.19	443.16	442.18	1922.92	1905.89	1904.91	15
5	A	531.22	514.20	513.21	1807.89	1790.87	1789.88	14
6	E	660.27	643.24	642.26	1736.86	1719.83	1718.85	13
7	K*	830.37	813.34	812.36	1607.81	1590.79	1589.80	12
8	Y	993.43	976.41	975.42	1437.71	1420.68	1419.70	11
9	K	1121.53	1104.50	1103.52	1274.64	1257.62	1256.63	10
10	A	1192.57	1175.54	1174.56	1146.55	1129.52	1128.54	9
11	E	1321.61	1304.58	1303.60	1075.51	1058.49	1057.50	8
12	D	1436.64	1419.61	1418.63	946.47	929.44	928.46	7
13	E	1565.68	1548.65	1547.67	831.44	814.42	813.43	6
14	E	1694.72	1677.69	1676.71	702.40	685.37	684.39	5
15	N	1808.76	1791.74	1790.75	573.36	556.33	555.35	4
16	R	1964.87	1947.84	1946.85	459.32	442.29	441.30	3
17	K	2092.96	2075.93	2074.95	303.21	286.19	285.20	2

18	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	M	66.53	58.01	57.52	-	-	-	18
2	V	116.06	107.55	107.06	1068.52	1060.01	1059.51	17
3	N	173.08	164.57	164.08	1018.99	1010.47	1009.98	16
4	D	230.60	222.08	221.59	961.96	953.45	952.96	15
5	A	266.12	257.60	257.11	904.45	895.94	895.45	14
6	E	330.64	322.12	321.63	868.93	860.42	859.93	13
7	K*	415.69	407.18	406.68	804.41	795.90	795.41	12
8	Y	497.22	488.71	488.22	719.36	710.84	710.35	11
9	K	561.27	552.76	552.26	637.83	629.31	628.82	10
10	A	596.79	588.27	587.78	573.78	565.27	564.77	9
11	E	661.31	652.80	652.30	538.26	529.75	529.25	8
12	D	718.82	710.31	709.82	473.74	465.23	464.73	7
13	E	783.34	774.83	774.34	416.23	407.71	407.22	6
14	E	847.86	839.35	838.86	351.70	343.19	342.70	5
15	N	904.89	896.37	895.88	287.18	278.67	278.18	4
16	R	982.94	974.42	973.93	230.16	221.65	221.16	3
17	K	1046.98	1038.47	1037.98	152.11	143.60	143.11	2
18	R	-	-	-	88.06	79.55	79.06	1

-

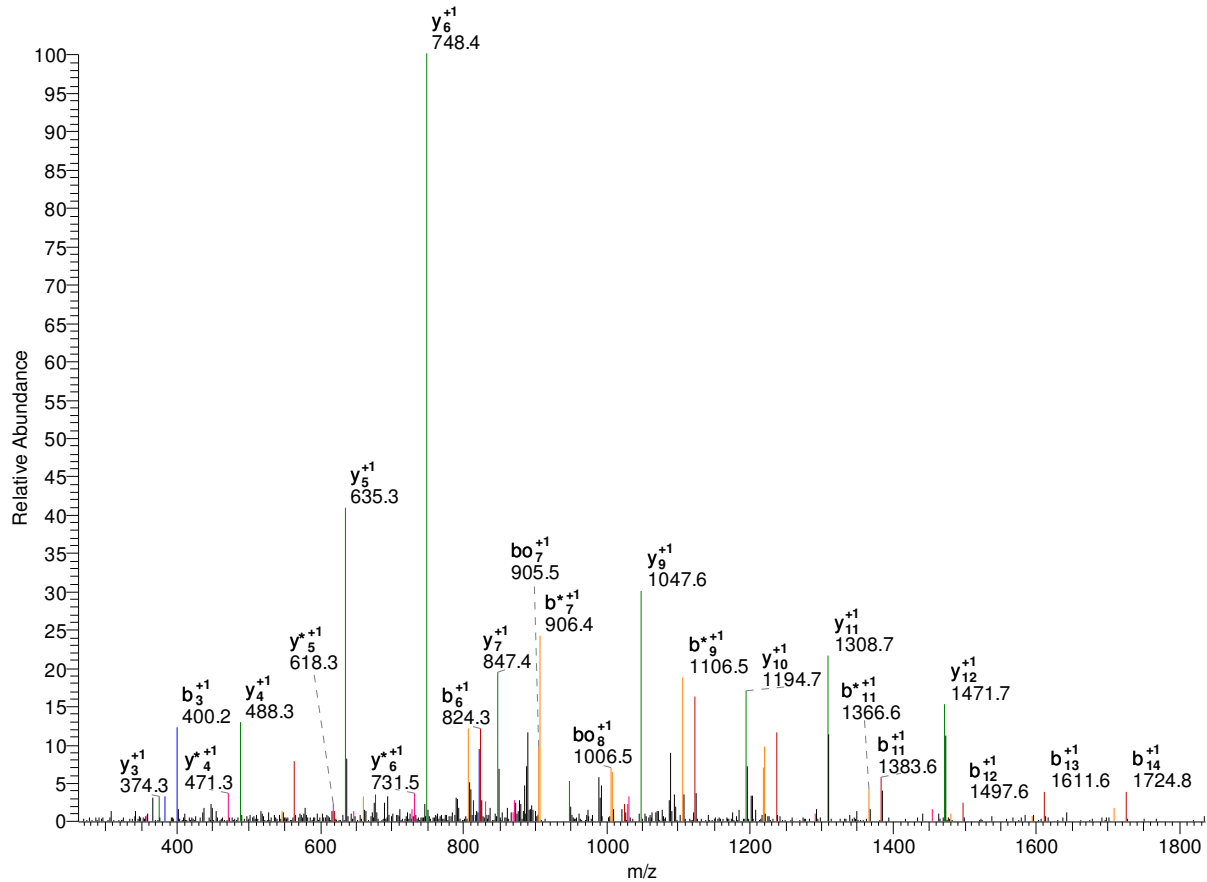
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	M	44.69	39.01	38.68	-	-	-	18
2	V	77.71	72.03	71.71	712.68	707.01	706.68	17
3	N	115.72	110.05	109.72	679.66	673.98	673.66	16
4	D	154.07	148.39	148.06	641.64	635.97	635.64	15
5	A	177.75	172.07	171.74	603.30	597.63	597.30	14
6	E	220.76	215.08	214.76	579.62	573.95	573.62	13
7	K*	277.46	271.79	271.46	536.61	530.93	530.61	12
8	Y	331.82	326.14	325.81	479.91	474.23	473.90	11
9	K	374.51	368.84	368.51	425.55	419.88	419.55	10
10	A	398.19	392.52	392.19	382.85	377.18	376.85	9
11	E	441.21	435.53	435.20	359.18	353.50	353.17	8
12	D	479.55	473.87	473.55	316.16	310.49	310.16	7
13	E	522.56	516.89	516.56	277.82	272.14	271.82	6
14	E	565.58	559.90	559.58	234.81	229.13	228.80	5
15	N	603.59	597.92	597.59	191.79	186.12	185.79	4
16	R	655.63	649.95	649.62	153.78	148.10	147.77	3
17	K	698.32	692.65	692.32	101.74	96.07	95.74	2
18	R	-	-	-	59.04	53.37	53.04	1

-

1870.97 R.NDK*YNFVTVLFNNLK.T

psu|PFB0835c | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL2:73 189 – 204

#10067-10067 NL: 2.15E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	15
2	D	230.08	213.05	212.07	1756.93	1739.90	1738.92	14
3	K*	400.18	383.16	382.17	1641.90	1624.87	1623.89	13
4	Y	563.25	546.22	545.24	1471.79	1454.77	1453.78	12
5	N	677.29	660.26	659.28	1308.73	1291.70	1290.72	11
6	F	824.36	807.33	806.35	1194.69	1177.66	1176.68	10
7	V	923.43	906.40	905.42	1047.62	1030.59	1029.61	9
8	T	1024.47	1007.45	1006.46	948.55	931.52	930.54	8
9	V	1123.54	1106.52	1105.53	847.50	830.48	829.49	7
10	L	1236.63	1219.60	1218.62	748.44	731.41	730.42	6
11	F	1383.69	1366.67	1365.68	635.35	618.32	617.34	5
12	N	1497.74	1480.71	1479.73	488.28	471.26	470.27	4
13	N	1611.78	1594.75	1593.77	374.24	357.21	356.23	3
14	L	1724.86	1707.84	1706.85	260.20	243.17	242.19	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	15
2	D	115.54	107.03	106.54	878.97	870.45	869.96	14
3	K*	200.59	192.08	191.59	821.45	812.94	812.45	13
4	Y	282.13	273.61	273.12	736.40	727.89	727.40	12
5	N	339.15	330.63	330.14	654.87	646.36	645.86	11
6	F	412.68	404.17	403.68	597.85	589.33	588.84	10
7	V	462.22	453.70	453.21	524.31	515.80	515.31	9
8	T	512.74	504.23	503.74	474.78	466.27	465.77	8
9	V	562.27	553.76	553.27	424.26	415.74	415.25	7
10	L	618.82	610.30	609.81	374.72	366.21	365.72	6
11	F	692.35	683.84	683.35	318.18	309.67	309.17	5
12	N	749.37	740.86	740.37	244.64	236.13	235.64	4
13	N	806.39	797.88	797.39	187.62	179.11	178.62	3
14	L	862.94	854.42	853.93	130.60	122.09	121.60	2
15	K	-	-	-	74.06	65.55	65.05	1

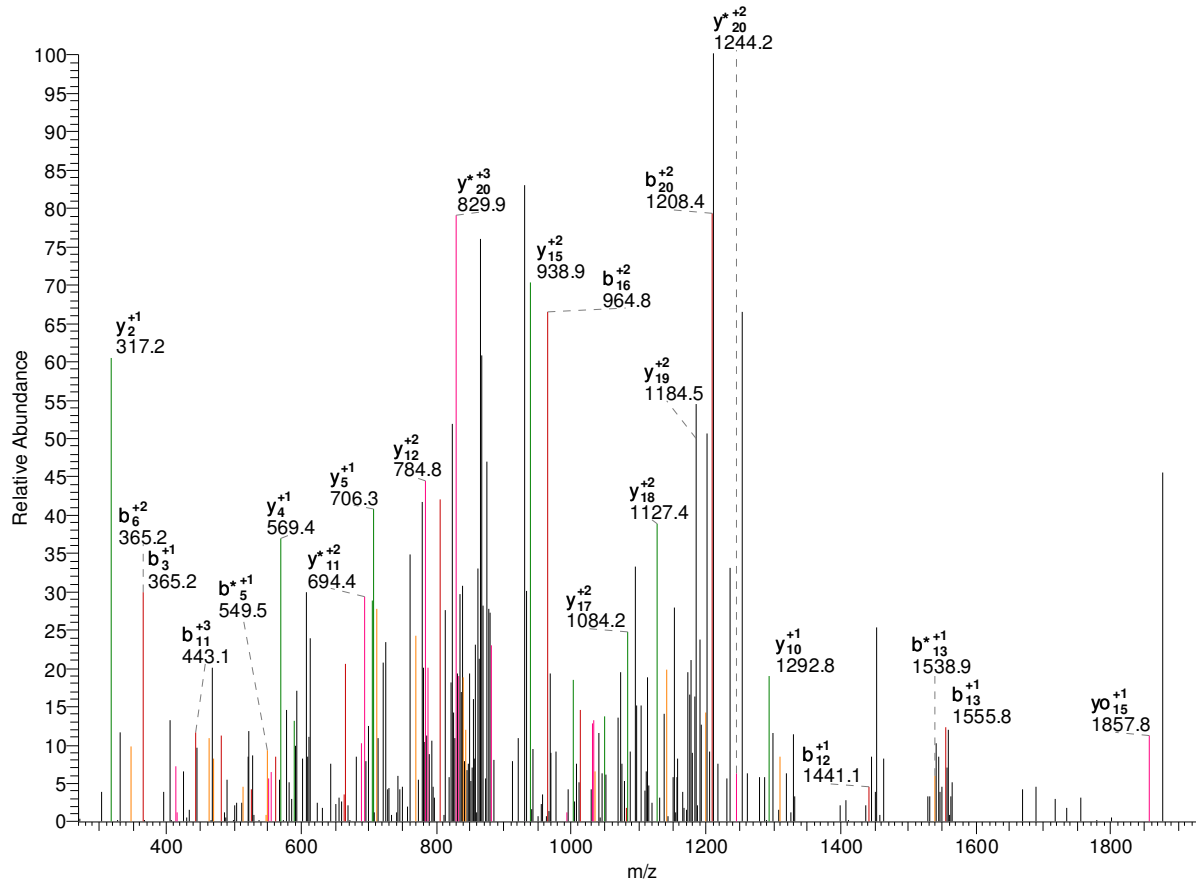
-

2732.38

R.NIHNSYKPPYYLDKEDVHHDKK*.K

psu|PF11_0177 | organism=Plasmodium_falciparum_3D7 | product=ubiquitin C-terminal
hydrolase, family 191 – 213

#1744-1744 NL: 3.33E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	22
2	I	228.13	211.11	210.12	2618.34	2601.31	2600.33	21
3	H	365.19	348.17	347.18	2505.25	2488.23	2487.24	20
4	N	479.24	462.21	461.23	2368.19	2351.17	2350.18	19
5	S	566.27	549.24	548.26	2254.15	2237.12	2236.14	18
6	Y	729.33	712.30	711.32	2167.12	2150.09	2149.11	17
7	K	857.43	840.40	839.42	2004.05	1987.03	1986.04	16
8	P	954.48	937.45	936.47	1875.96	1858.93	1857.95	15
9	P	1051.53	1034.51	1033.52	1778.91	1761.88	1760.90	14
10	I	1164.62	1147.59	1146.61	1681.85	1664.83	1663.84	13
11	Y	1327.68	1310.65	1309.67	1568.77	1551.74	1550.76	12
12	L	1440.76	1423.74	1422.75	1405.71	1388.68	1387.70	11
13	D	1555.79	1538.76	1537.78	1292.62	1275.60	1274.61	10
14	K	1683.89	1666.86	1665.87	1177.60	1160.57	1159.59	9
15	E	1812.93	1795.90	1794.92	1049.50	1032.47	1031.49	8
16	D	1927.95	1910.93	1909.94	920.46	903.43	902.45	7
17	V	2027.02	2010.00	2009.01	805.43	788.40	787.42	6
18	H	2164.08	2147.06	2146.07	706.36	689.34	688.35	5

19	H	2301.14	2284.11	2283.13	569.30	552.28	551.29	4
20	D	2416.17	2399.14	2398.16	432.25	415.22	414.23	3
21	K	2544.26	2527.24	2526.25	317.22	300.19	299.21	2
22	K*	-	-	-	189.12	172.10	171.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	22
2	I	114.57	106.06	105.57	1309.67	1301.16	1300.67	21
3	H	183.10	174.59	174.09	1253.13	1244.62	1244.12	20
4	N	240.12	231.61	231.12	1184.60	1176.09	1175.59	19
5	S	283.64	275.12	274.63	1127.58	1119.07	1118.57	18
6	Y	365.17	356.66	356.16	1084.06	1075.55	1075.06	17
7	K	429.22	420.70	420.21	1002.53	994.02	993.53	16
8	P	477.74	469.23	468.74	938.48	929.97	929.48	15
9	P	526.27	517.76	517.26	889.96	881.44	880.95	14
10	I	582.81	574.30	573.81	841.43	832.92	832.43	13
11	Y	664.34	655.83	655.34	784.89	776.38	775.88	12
12	L	720.89	712.37	711.88	703.36	694.84	694.35	11
13	D	778.40	769.89	769.39	646.82	638.30	637.81	10
14	K	842.45	833.93	833.44	589.30	580.79	580.30	9
15	E	906.97	898.45	897.96	525.25	516.74	516.25	8
16	D	964.48	955.97	955.48	460.73	452.22	451.73	7
17	V	1014.02	1005.50	1005.01	403.22	394.71	394.21	6
18	H	1082.54	1074.03	1073.54	353.69	345.17	344.68	5
19	H	1151.07	1142.56	1142.07	285.16	276.64	276.15	4
20	D	1208.59	1200.07	1199.58	216.63	208.11	207.62	3
21	K	1272.64	1264.12	1263.63	159.11	150.60	150.11	2
22	K*	-	-	-	95.07	86.55	86.06	1

-

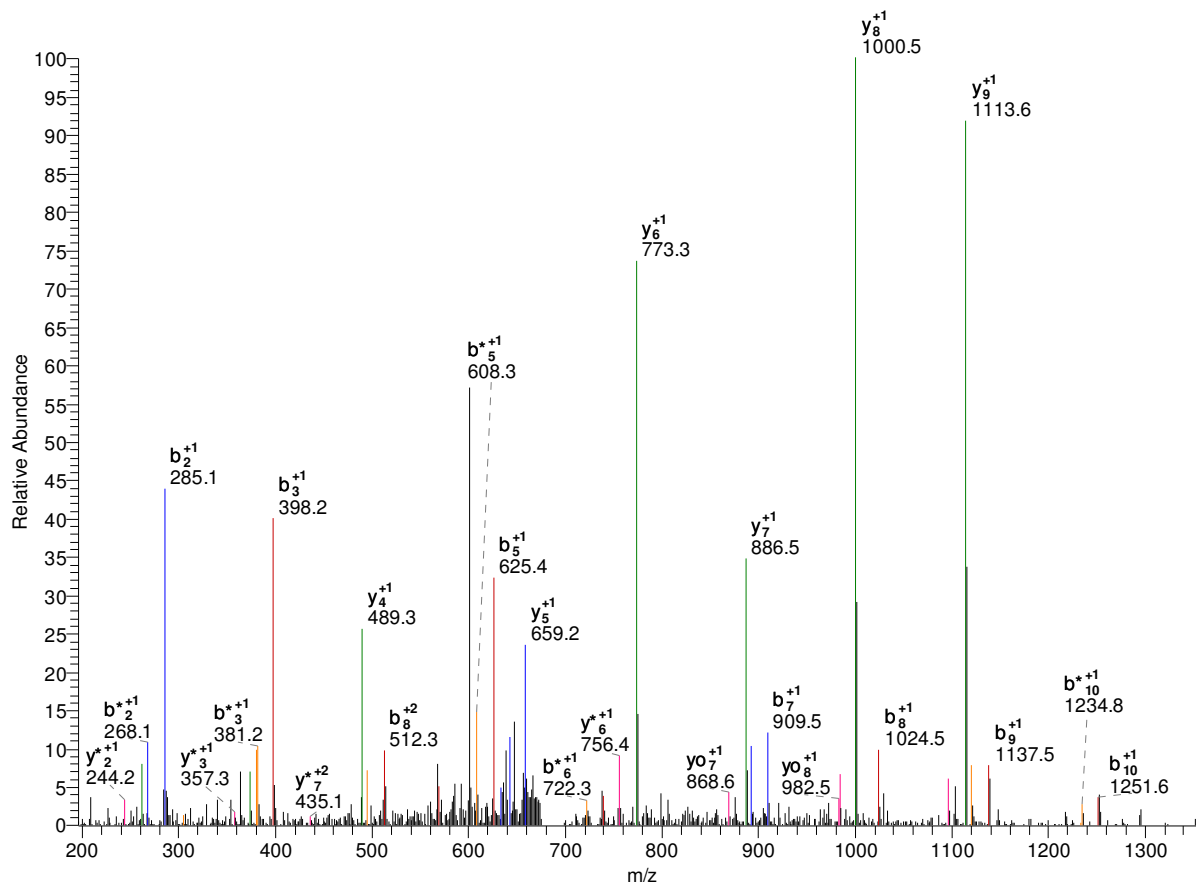
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	N	39.02	33.35	33.02	-	-	-	22
2	I	76.72	71.04	70.71	873.45	867.77	867.45	21
3	H	122.40	116.73	116.40	835.76	830.08	829.75	20
4	N	160.42	154.74	154.41	790.07	784.39	784.07	19
5	S	189.43	183.75	183.42	752.05	746.38	746.05	18
6	Y	243.78	238.11	237.78	723.04	717.37	717.04	17
7	K	286.48	280.80	280.48	668.69	663.01	662.69	16
8	P	318.83	313.16	312.83	625.99	620.32	619.99	15
9	P	351.18	345.51	345.18	593.64	587.97	587.64	14
10	I	388.88	383.20	382.87	561.29	555.61	555.29	13
11	Y	443.23	437.56	437.23	523.59	517.92	517.59	12
12	L	480.93	475.25	474.92	469.24	463.57	463.24	11
13	D	519.27	513.59	513.26	431.55	425.87	425.54	10
14	K	561.97	556.29	555.96	393.20	387.53	387.20	9
15	E	604.98	599.31	598.98	350.51	344.83	344.50	8
16	D	643.32	637.65	637.32	307.49	301.82	301.49	7
17	V	676.35	670.67	670.34	269.15	263.47	263.15	6
18	H	722.03	716.36	716.03	236.13	230.45	230.12	5
19	H	767.72	762.04	761.72	190.44	184.76	184.44	4
20	D	806.06	800.39	800.06	144.75	139.08	138.75	3
21	K	848.76	843.08	842.76	106.41	100.74	100.41	2
22	K*	-	-	-	63.71	58.04	57.71	1

-

1397.77 R.NK*LNINK*DINK.N

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10: 2114 – 2125

#3654-3654 NL: 8.43E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	11
2	K*	285.16	268.13	267.15	1283.73	1266.71	1265.72	10
3	L	398.24	381.21	380.23	1113.63	1096.60	1095.62	9
4	N	512.28	495.26	494.27	1000.54	983.52	982.53	8
5	I	625.37	608.34	607.36	886.50	869.47	868.49	7
6	N	739.41	722.38	721.40	773.42	756.39	755.40	6
7	K*	909.52	892.49	891.50	659.37	642.35	641.36	5
8	D	1024.54	1007.52	1006.53	489.27	472.24	471.26	4
9	I	1137.63	1120.60	1119.62	374.24	357.21	356.23	3
10	N	1251.67	1234.64	1233.66	261.16	244.13	243.15	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	11

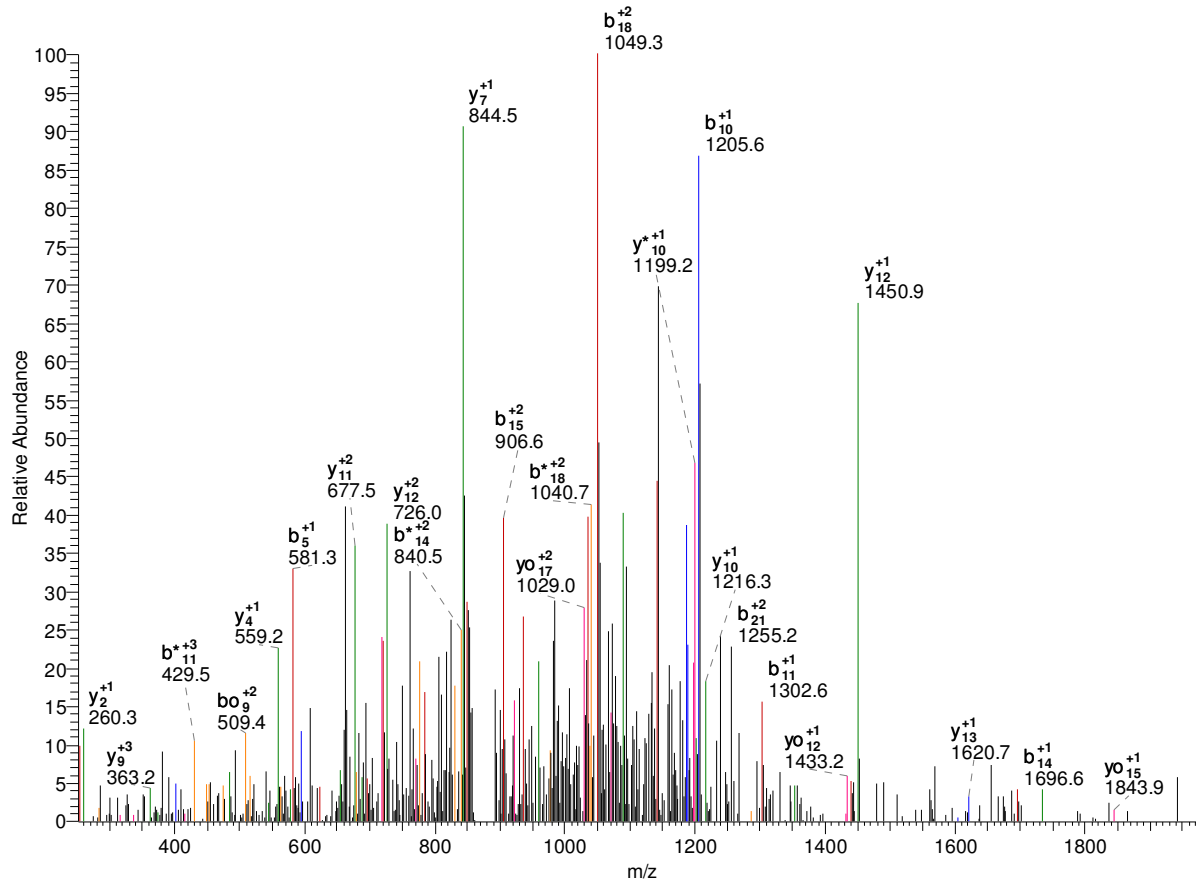
2	K*	143.08	134.57	134.08	642.37	633.86	633.36	10
3	L	199.62	191.11	190.62	557.32	548.80	548.31	9
4	N	256.65	248.13	247.64	500.77	492.26	491.77	8
5	I	313.19	304.67	304.18	443.75	435.24	434.75	7
6	N	370.21	361.70	361.20	387.21	378.70	378.21	6
7	K*	455.26	446.75	446.26	330.19	321.68	321.18	5
8	D	512.77	504.26	503.77	245.14	236.62	236.13	4
9	I	569.32	560.80	560.31	187.62	179.11	178.62	3
10	N	626.34	617.82	617.33	131.08	122.57	122.08	2
11	K	-	-	-	74.06	65.55	65.05	1

-

2655.43 R.RPLVDNVQLK*PHQEDGVEWLLK.S

psu|PFF1185w | organism=Plasmodium_falciparum_3D7 | product=iswi protein homologue | location=MAL6: 329 – 351

#7488-7488 NL: 8.13E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	R	157.11	140.08	139.10	-	-	-	22
2	P	254.16	237.13	236.15	2499.32	2482.30	2481.31	21
3	L	367.25	350.22	349.23	2402.27	2385.24	2384.26	20
4	V	466.31	449.29	448.30	2289.19	2272.16	2271.18	19
5	D	581.34	564.31	563.33	2190.12	2173.09	2172.11	18
6	N	695.38	678.36	677.37	2075.09	2058.07	2057.08	17
7	V	794.45	777.43	776.44	1961.05	1944.02	1943.04	16
8	Q	922.51	905.48	904.50	1861.98	1844.95	1843.97	15
9	L	1035.59	1018.57	1017.58	1733.92	1716.90	1715.91	14
10	K*	1205.70	1188.67	1187.69	1620.84	1603.81	1602.83	13
11	P	1302.75	1285.73	1284.74	1450.73	1433.71	1432.72	12
12	H	1439.81	1422.79	1421.80	1353.68	1336.65	1335.67	11
13	Q	1567.87	1550.84	1549.86	1216.62	1199.59	1198.61	10
14	E	1696.91	1679.89	1678.90	1088.56	1071.54	1070.55	9
15	D	1811.94	1794.91	1793.93	959.52	942.49	941.51	8
16	G	1868.96	1851.93	1850.95	844.49	827.47	826.48	7
17	V	1968.03	1951.00	1950.02	787.47	770.44	769.46	6
18	E	2097.07	2080.05	2079.06	688.40	671.38	670.39	5

19	W	2283.15	2266.13	2265.14	559.36	542.33	541.35	4
20	L	2396.24	2379.21	2378.23	373.28	356.25	355.27	3
21	L	2509.32	2492.29	2491.31	260.20	243.17	242.19	2
22	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	R	79.06	70.54	70.05	-	-	-	22
2	P	127.58	119.07	118.58	1250.17	1241.65	1241.16	21
3	L	184.13	175.61	175.12	1201.64	1193.13	1192.63	20
4	V	233.66	225.15	224.66	1145.10	1136.58	1136.09	19
5	D	291.17	282.66	282.17	1095.56	1087.05	1086.56	18
6	N	348.20	339.68	339.19	1038.05	1029.54	1029.04	17
7	V	397.73	389.22	388.72	981.03	972.51	972.02	16
8	Q	461.76	453.25	452.75	931.49	922.98	922.49	15
9	L	518.30	509.79	509.30	867.46	858.95	858.46	14
10	K*	603.35	594.84	594.35	810.92	802.41	801.92	13
11	P	651.88	643.37	642.87	725.87	717.36	716.86	12
12	H	720.41	711.90	711.40	677.34	668.83	668.34	11
13	Q	784.44	775.93	775.43	608.81	600.30	599.81	10
14	E	848.96	840.45	839.95	544.78	536.27	535.78	9
15	D	906.47	897.96	897.47	480.26	471.75	471.26	8
16	G	934.98	926.47	925.98	422.75	414.24	413.74	7
17	V	984.52	976.01	975.51	394.24	385.73	385.23	6
18	E	1049.04	1040.53	1040.03	344.71	336.19	335.70	5
19	W	1142.08	1133.57	1133.07	280.18	271.67	271.18	4
20	L	1198.62	1190.11	1189.62	187.14	178.63	178.14	3
21	L	1255.16	1246.65	1246.16	130.60	122.09	121.60	2
22	K	-	-	-	74.06	65.55	65.05	1

-

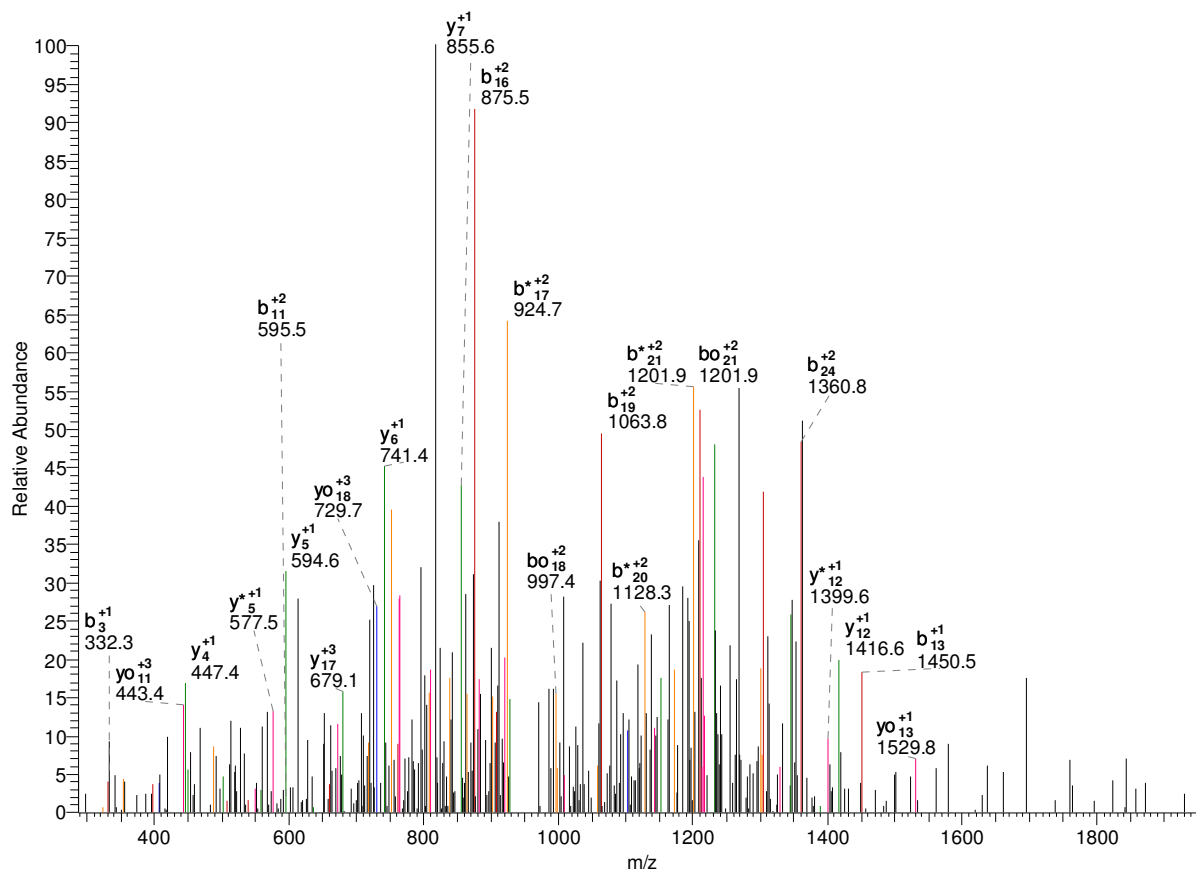
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	R	53.04	47.37	47.04	-	-	-	22
2	P	85.39	79.72	79.39	833.78	828.10	827.78	21
3	L	123.09	117.41	117.08	801.43	795.75	795.43	20
4	V	156.11	150.43	150.11	763.73	758.06	757.73	19
5	D	194.45	188.78	188.45	730.71	725.04	724.71	18
6	N	232.47	226.79	226.46	692.37	686.69	686.37	17
7	V	265.49	259.81	259.49	654.35	648.68	648.35	16
8	Q	308.18	302.50	302.17	621.33	615.66	615.33	15
9	L	345.87	340.19	339.87	578.65	572.97	572.64	14
10	K*	402.57	396.90	396.57	540.95	535.28	534.95	13
11	P	434.92	429.25	428.92	484.25	478.57	478.25	12
12	H	480.61	474.93	474.61	451.90	446.22	445.89	11
13	Q	523.29	517.62	517.29	406.21	400.54	400.21	10
14	E	566.31	560.63	560.31	363.53	357.85	357.52	9
15	D	604.65	598.98	598.65	320.51	314.84	314.51	8
16	G	623.66	617.98	617.66	282.17	276.49	276.17	7
17	V	656.68	651.01	650.68	263.16	257.49	257.16	6
18	E	699.70	694.02	693.69	230.14	224.46	224.14	5
19	W	761.72	756.05	755.72	187.12	181.45	181.12	4
20	L	799.42	793.74	793.41	125.10	119.42	119.09	3
21	L	837.11	831.44	831.11	87.40	81.73	81.40	2
22	K	-	-	-	49.71	44.03	43.71	1

-

2866.24 R.SDESSGVK*KDDEMALDDFNFFDANK.D

psu|PF11_0098 | organism=Plasmodium_falciparum_3D7 | product=endoplasmic reticulum-resident calcium 201 – 226

#6899-6899 NL: 4.04E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	25
2	D	203.07	186.04	185.06	2779.20	2762.18	2761.19	24
3	E	332.11	315.08	314.10	2664.18	2647.15	2646.17	23
4	S	419.14	402.11	401.13	2535.13	2518.11	2517.12	22
5	S	506.17	489.15	488.16	2448.10	2431.08	2430.09	21
6	G	563.19	546.17	545.18	2361.07	2344.04	2343.06	20
7	V	662.26	645.24	644.25	2304.05	2287.02	2286.04	19
8	K*	832.37	815.34	814.36	2204.98	2187.95	2186.97	18
9	K	960.46	943.44	942.45	2034.87	2017.85	2016.86	17
10	D	1075.49	1058.46	1057.48	1906.78	1889.75	1888.77	16
11	D	1190.52	1173.49	1172.51	1791.75	1774.73	1773.74	15
12	E	1319.56	1302.53	1301.55	1676.73	1659.70	1658.72	14
13	M	1450.60	1433.57	1432.59	1547.68	1530.66	1529.67	13
14	A	1521.64	1504.61	1503.63	1416.64	1399.62	1398.63	12
15	L	1634.72	1617.69	1616.71	1345.61	1328.58	1327.60	11
16	D	1749.75	1732.72	1731.74	1232.52	1215.50	1214.51	10
17	D	1864.78	1847.75	1846.76	1117.49	1100.47	1099.48	9
18	F	2011.84	1994.82	1993.83	1002.47	985.44	984.46	8

19	N	2125.89	2108.86	2107.88	855.40	838.37	837.39	7
20	F	2272.96	2255.93	2254.94	741.36	724.33	723.35	6
21	F	2420.02	2403.00	2402.01	594.29	577.26	576.28	5
22	D	2535.05	2518.02	2517.04	447.22	430.19	429.21	4
23	A	2606.09	2589.06	2588.08	332.19	315.17	314.18	3
24	N	2720.13	2703.10	2702.12	261.16	244.13	243.15	2
25	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	25
2	D	102.04	93.52	93.03	1390.11	1381.59	1381.10	24
3	E	166.56	158.04	157.55	1332.59	1324.08	1323.59	23
4	S	210.07	201.56	201.07	1268.07	1259.56	1259.07	22
5	S	253.59	245.08	244.58	1224.55	1216.04	1215.55	21
6	G	282.10	273.59	273.10	1181.04	1172.53	1172.03	20
7	V	331.64	323.12	322.63	1152.53	1144.01	1143.52	19
8	K*	416.69	408.17	407.68	1102.99	1094.48	1093.99	18
9	K	480.74	472.22	471.73	1017.94	1009.43	1008.94	17
10	D	538.25	529.74	529.24	953.89	945.38	944.89	16
11	D	595.76	587.25	586.76	896.38	887.87	887.37	15
12	E	660.28	651.77	651.28	838.87	830.35	829.86	14
13	M	725.80	717.29	716.80	774.35	765.83	765.34	13
14	A	761.32	752.81	752.32	708.83	700.31	699.82	12
15	L	817.86	809.35	808.86	673.31	664.79	664.30	11
16	D	875.38	866.86	866.37	616.76	608.25	607.76	10
17	D	932.89	924.38	923.89	559.25	550.74	550.25	9
18	F	1006.43	997.91	997.42	501.74	493.22	492.73	8
19	N	1063.45	1054.93	1054.44	428.20	419.69	419.20	7
20	F	1136.98	1128.47	1127.98	371.18	362.67	362.18	6
21	F	1210.52	1202.00	1201.51	297.65	289.13	288.64	5
22	D	1268.03	1259.52	1259.02	224.11	215.60	215.11	4
23	A	1303.55	1295.03	1294.54	166.60	158.09	157.59	3
24	N	1360.57	1352.06	1351.56	131.08	122.57	122.08	2
25	K	-	-	-	74.06	65.55	65.05	1

-

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	S	30.02	24.34	24.01	-	-	-	25
2	D	68.36	62.68	62.36	927.07	921.40	921.07	24
3	E	111.37	105.70	105.37	888.73	883.06	882.73	23
4	S	140.39	134.71	134.38	845.72	840.04	839.71	22
5	S	169.40	163.72	163.39	816.71	811.03	810.70	21
6	G	188.40	182.73	182.40	787.69	782.02	781.69	20
7	V	221.43	215.75	215.42	768.69	763.01	762.68	19
8	K*	278.13	272.45	272.12	735.67	729.99	729.66	18
9	K	320.83	315.15	314.82	678.96	673.29	672.96	17
10	D	359.17	353.49	353.16	636.26	630.59	630.26	16
11	D	397.51	391.84	391.51	597.92	592.25	591.92	15
12	E	440.52	434.85	434.52	559.58	553.90	553.58	14
13	M	484.20	478.53	478.20	516.57	510.89	510.56	13
14	A	507.88	502.21	501.88	472.89	467.21	466.88	12
15	L	545.58	539.90	539.58	449.21	443.53	443.20	11
16	D	583.92	578.25	577.92	411.51	405.84	405.51	10
17	D	622.26	616.59	616.26	373.17	367.49	367.17	9
18	F	671.29	665.61	665.28	334.83	329.15	328.82	8

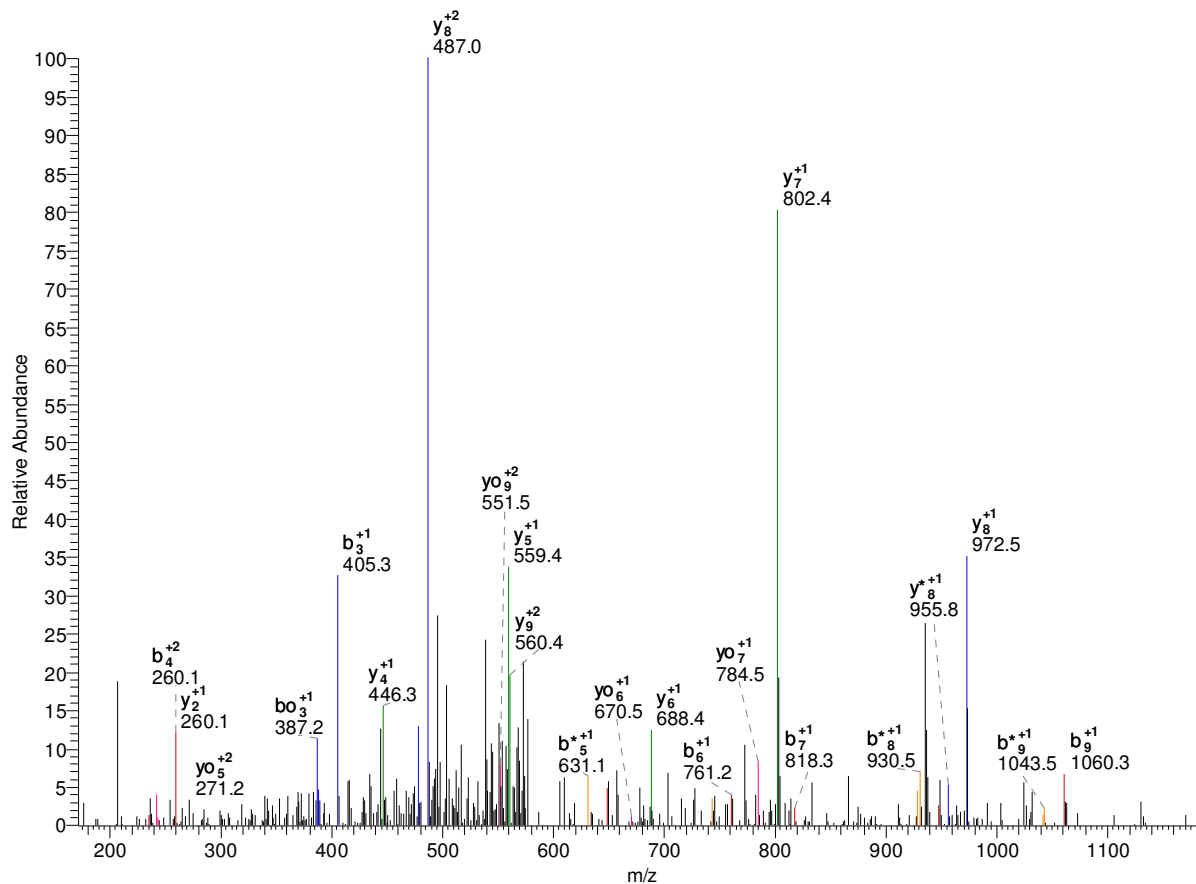
19	N	709.30	703.62	703.30	285.80	280.13	279.80	7
20	F	758.32	752.65	752.32	247.79	242.11	241.79	6
21	F	807.35	801.67	801.34	198.77	193.09	192.76	5
22	D	845.69	840.01	839.68	149.74	144.07	143.74	4
23	A	869.37	863.69	863.36	111.40	105.73	105.40	3
24	N	907.38	901.71	901.38	87.72	82.05	81.72	2
25	K	-	-	-	49.71	44.03	43.71	1

-

1206.64 R.SFK*NELGELK.N

psu|PFB0815w | organism=Plasmodium_falciparum_3D7 | product=Pf Calcium-dependent protein kinase 1 | 405 – 415

#4186-4186 NL: 1.67E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	10
2	F	235.11	218.08	217.10	1119.60	1102.58	1101.59	9
3	K*	405.21	388.19	387.20	972.54	955.51	954.53	8
4	N	519.26	502.23	501.25	802.43	785.40	784.42	7
5	E	648.30	631.27	630.29	688.39	671.36	670.38	6
6	L	761.38	744.36	743.37	559.34	542.32	541.33	5
7	G	818.40	801.38	800.39	446.26	429.23	428.25	4
8	E	947.45	930.42	929.44	389.24	372.21	371.23	3
9	L	1060.53	1043.50	1042.52	260.20	243.17	242.19	2
10	K	-	-	-	147.11	130.09	129.10	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	10
2	F	118.06	109.54	109.05	560.31	551.79	551.30	9

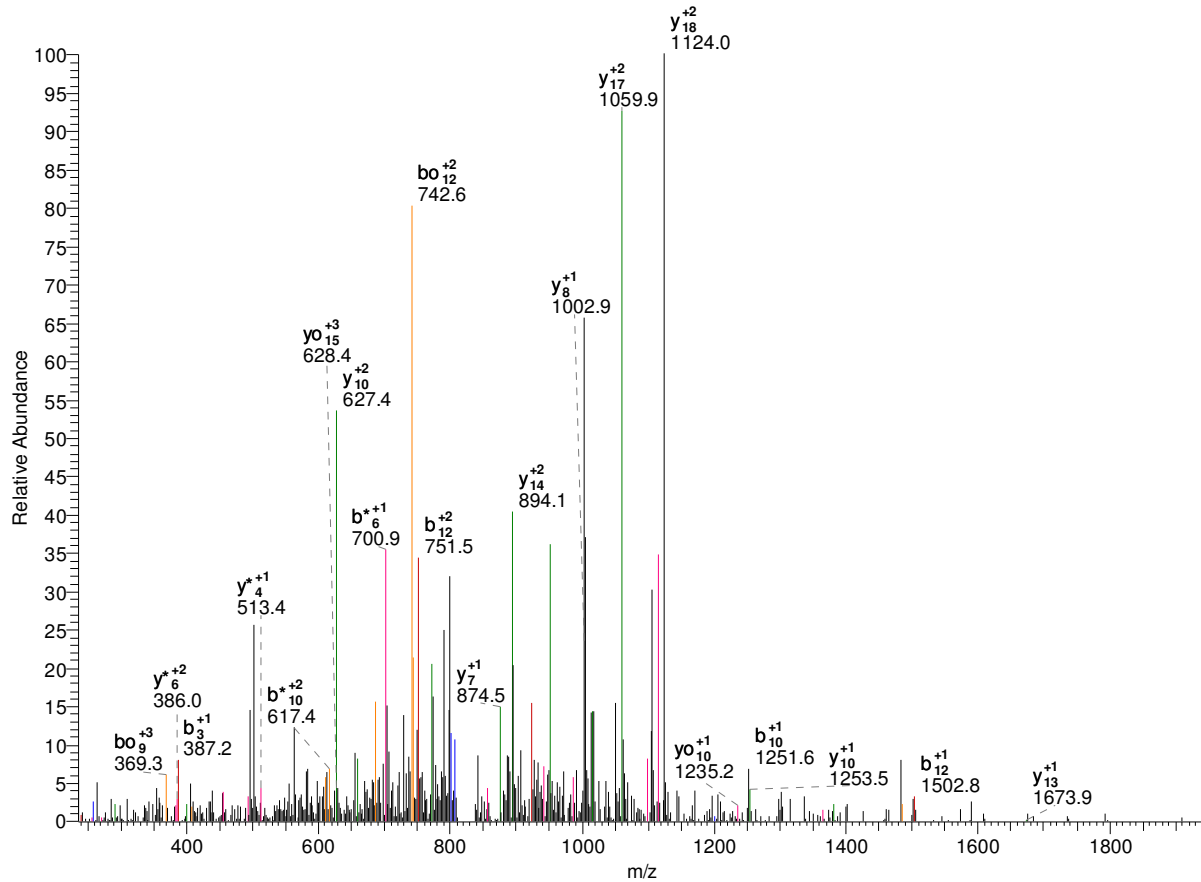
3	K*	203.11	194.60	194.10	486.77	478.26	477.77	8
4	N	260.13	251.62	251.13	401.72	393.21	392.71	7
5	E	324.65	316.14	315.65	344.70	336.18	335.69	6
6	L	381.20	372.68	372.19	280.18	271.66	271.17	5
7	G	409.71	401.19	400.70	223.63	215.12	214.63	4
8	E	474.23	465.71	465.22	195.12	186.61	186.12	3
9	L	530.77	522.26	521.76	130.60	122.09	121.60	2
10	K	-	-	-	74.06	65.55	65.05	1

-

2504.24 R.SK*ESMLLEYQHMKSEQILR.E

psu|PF11_0246 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL11: 465 – 485

#4946-4946 NL: 3.48E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	20
2	K*	258.14	241.12	240.13	2417.21	2400.19	2399.20	19
3	E	387.19	370.16	369.18	2247.11	2230.08	2229.10	18
4	S	474.22	457.19	456.21	2118.06	2101.04	2100.05	17
5	M	605.26	588.23	587.25	2031.03	2014.01	2013.02	16
6	L	718.34	701.32	700.33	1899.99	1882.97	1881.98	15
7	L	831.43	814.40	813.42	1786.91	1769.88	1768.90	14
8	E	960.47	943.44	942.46	1673.82	1656.80	1655.81	13
9	Y	1123.53	1106.51	1105.52	1544.78	1527.76	1526.77	12
10	Q	1251.59	1234.57	1233.58	1381.72	1364.69	1363.71	11
11	H	1388.65	1371.62	1370.64	1253.66	1236.63	1235.65	10
12	N	1502.69	1485.67	1484.68	1116.60	1099.57	1098.59	9
13	K	1630.79	1613.76	1612.78	1002.56	985.53	984.55	8
14	S	1717.82	1700.79	1699.81	874.46	857.44	856.45	7
15	E	1846.86	1829.84	1828.85	787.43	770.40	769.42	6
16	Q	1974.92	1957.90	1956.91	658.39	641.36	640.38	5
17	E	2103.97	2086.94	2085.95	530.33	513.30	512.32	4
18	I	2217.05	2200.02	2199.04	401.29	384.26	383.28	3

19	L	2330.13	2313.11	2312.12	288.20	271.18	270.19	2
20	R	-	-	-	175.12	158.09	157.11	1

-

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	20
2	K*	129.58	121.06	120.57	1209.11	1200.60	1200.10	19
3	E	194.10	185.58	185.09	1124.06	1115.54	1115.05	18
4	S	237.61	229.10	228.61	1059.54	1051.02	1050.53	17
5	M	303.13	294.62	294.13	1016.02	1007.51	1007.01	16
6	L	359.68	351.16	350.67	950.50	941.99	941.49	15
7	L	416.22	407.70	407.21	893.96	885.44	884.95	14
8	E	480.74	472.23	471.73	837.42	828.90	828.41	13
9	Y	562.27	553.76	553.27	772.89	764.38	763.89	12
10	Q	626.30	617.79	617.29	691.36	682.85	682.36	11
11	H	694.83	686.32	685.82	627.33	618.82	618.33	10
12	N	751.85	743.34	742.85	558.80	550.29	549.80	9
13	K	815.90	807.39	806.89	501.78	493.27	492.78	8
14	S	859.41	850.90	850.41	437.74	429.22	428.73	7
15	E	923.94	915.42	914.93	394.22	385.71	385.21	6
16	Q	987.96	979.45	978.96	329.70	321.18	320.69	5
17	E	1052.49	1043.97	1043.48	265.67	257.16	256.66	4
18	I	1109.03	1100.51	1100.02	201.15	192.63	192.14	3
19	L	1165.57	1157.06	1156.57	144.61	136.09	135.60	2
20	R	-	-	-	88.06	79.55	79.06	1

-

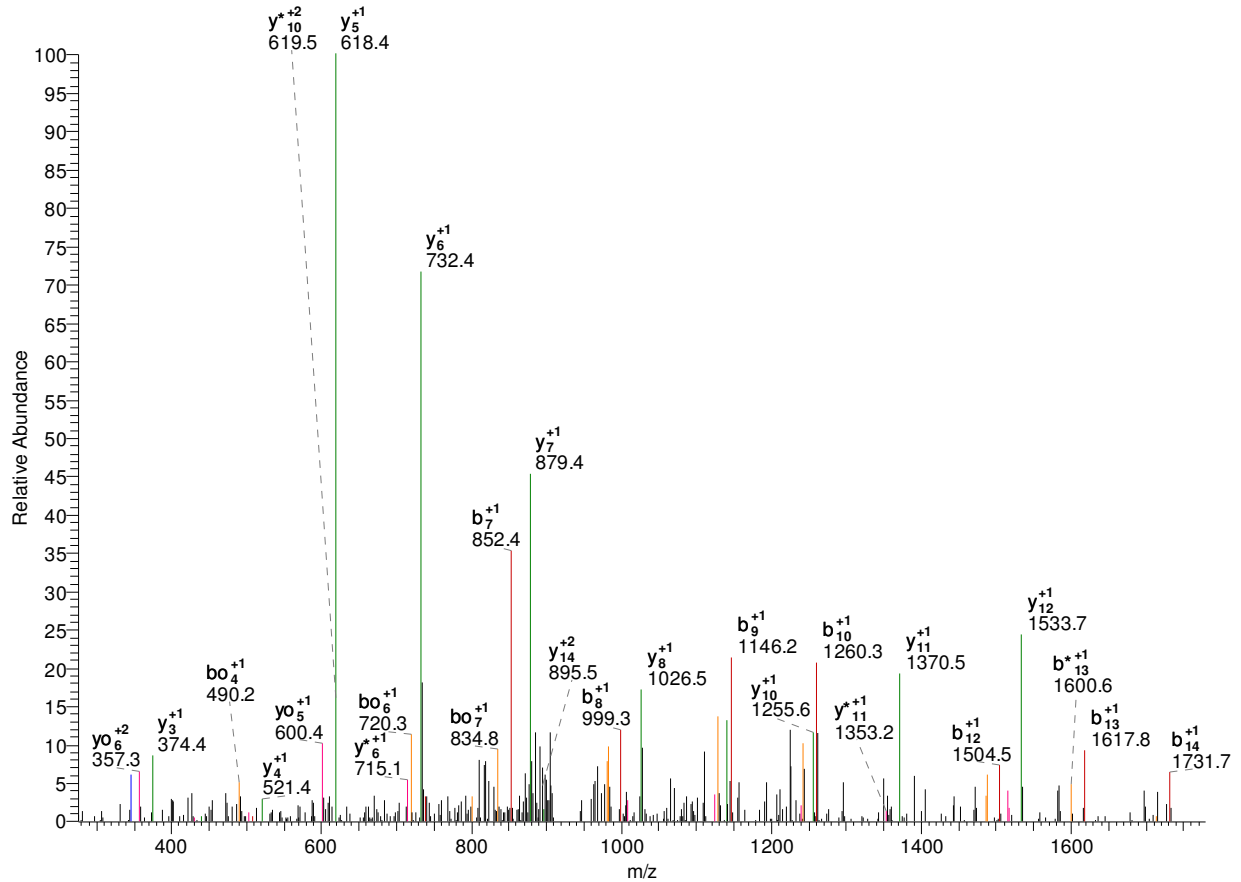
+3 Ions		B	B*	B0	Y	Y*	Y0	
1	S	30.02	24.34	24.01	-	-	-	20
2	K*	86.72	81.04	80.72	806.41	800.73	800.41	19
3	E	129.73	124.06	123.73	749.71	744.03	743.70	18
4	S	158.74	153.07	152.74	706.69	701.02	700.69	17
5	M	202.42	196.75	196.42	677.68	672.01	671.68	16
6	L	240.12	234.44	234.12	634.00	628.33	628.00	15
7	L	277.81	272.14	271.81	596.31	590.63	590.30	14
8	E	320.83	315.15	314.82	558.61	552.94	552.61	13
9	Y	375.18	369.51	369.18	515.60	509.92	509.60	12
10	Q	417.87	412.19	411.87	461.24	455.57	455.24	11
11	H	463.56	457.88	457.55	418.56	412.88	412.55	10
12	N	501.57	495.89	495.57	372.87	367.20	366.87	9
13	K	544.27	538.59	538.26	334.86	329.18	328.85	8
14	S	573.28	567.60	567.28	292.16	286.48	286.16	7
15	E	616.29	610.62	610.29	263.15	257.47	257.14	6
16	Q	658.98	653.30	652.98	220.13	214.46	214.13	5
17	E	701.99	696.32	695.99	177.45	171.77	171.44	4
18	I	739.69	734.01	733.68	134.43	128.76	128.43	3
19	L	777.38	771.71	771.38	96.74	91.06	90.74	2
20	R	-	-	-	59.04	53.37	53.04	1

-

1877.87 R.SSK*YDDNFFNPFLNK.K

psu|PF10_0079 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
 location=MAL10: 748 – 763

#6617-6617 NL: 1.90E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	15
2	S	175.07	158.04	157.06	1790.84	1773.81	1772.83	14
3	K*	345.18	328.15	327.17	1703.81	1686.78	1685.80	13
4	Y	508.24	491.21	490.23	1533.70	1516.67	1515.69	12
5	D	623.27	606.24	605.26	1370.64	1353.61	1352.63	11
6	D	738.29	721.27	720.28	1255.61	1238.58	1237.60	10
7	N	852.34	835.31	834.33	1140.58	1123.56	1122.57	9
8	F	999.41	982.38	981.39	1026.54	1009.51	1008.53	8
9	F	1146.47	1129.45	1128.46	879.47	862.45	861.46	7
10	N	1260.52	1243.49	1242.51	732.40	715.38	714.39	6
11	P	1357.57	1340.54	1339.56	618.36	601.33	600.35	5
12	F	1504.64	1487.61	1486.63	521.31	504.28	503.30	4
13	L	1617.72	1600.70	1599.71	374.24	357.21	356.23	3
14	N	1731.76	1714.74	1713.75	261.16	244.13	243.15	2
15	K	-	-	-	147.11	130.09	129.10	1

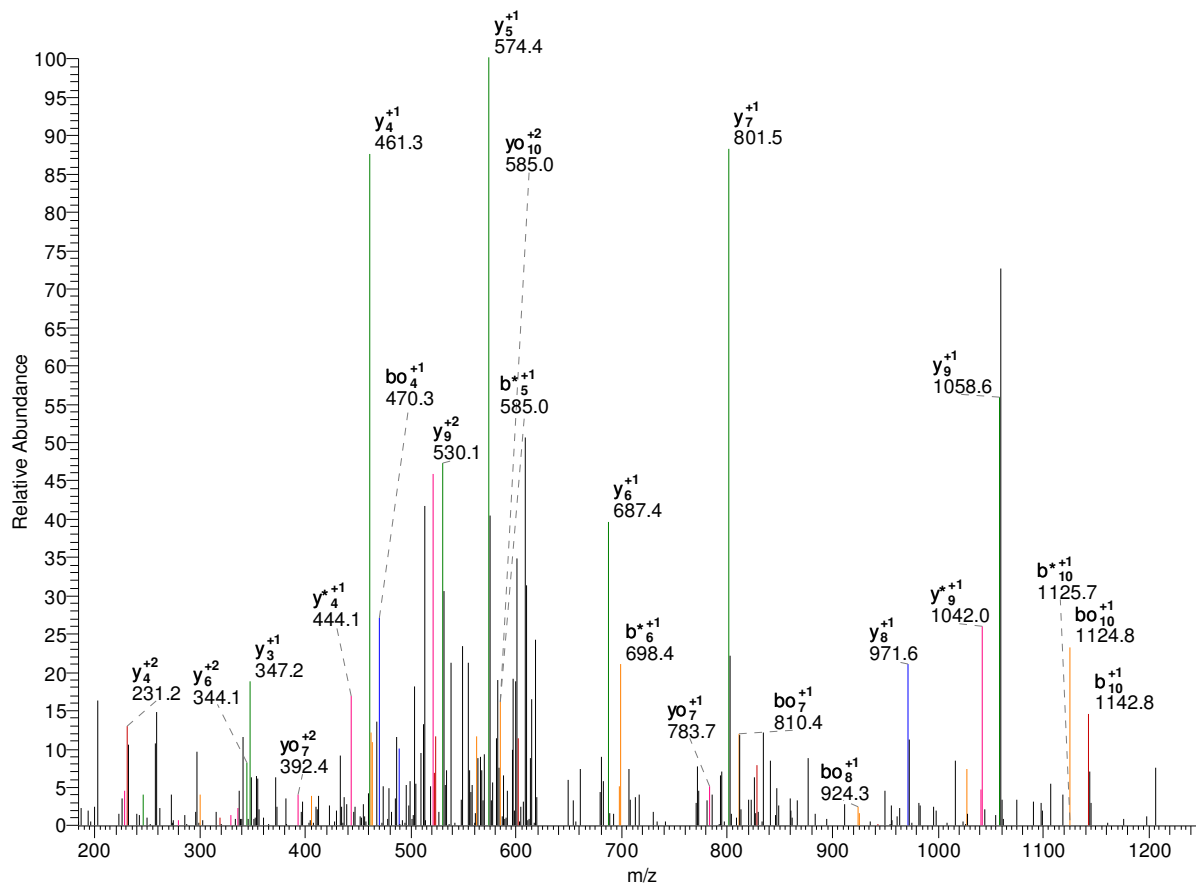
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	15
2	S	88.04	79.53	79.03	895.92	887.41	886.92	14
3	K*	173.09	164.58	164.09	852.41	843.89	843.40	13
4	Y	254.62	246.11	245.62	767.35	758.84	758.35	12
5	D	312.14	303.62	303.13	685.82	677.31	676.82	11
6	D	369.65	361.14	360.65	628.31	619.80	619.30	10
7	N	426.67	418.16	417.67	570.80	562.28	561.79	9
8	F	500.21	491.69	491.20	513.77	505.26	504.77	8
9	F	573.74	565.23	564.74	440.24	431.73	431.23	7
10	N	630.76	622.25	621.76	366.71	358.19	357.70	6
11	P	679.29	670.78	670.28	309.68	301.17	300.68	5
12	F	752.82	744.31	743.82	261.16	252.64	252.15	4
13	L	809.36	800.85	800.36	187.62	179.11	178.62	3
14	N	866.39	857.87	857.38	131.08	122.57	122.08	2
15	K	-	-	-	74.06	65.55	65.05	1

-

1288.71 R.TESK*NILNTVK.N

psu|PF14_0046 | organism=Plasmodium_falciparum_3D7 | product=hypothetical conserved in Plasmodium s 24 – 35

#2736-2736 NL: 7.27E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	11
2	E	231.10	214.07	213.09	1187.66	1170.64	1169.65	10
3	S	318.13	301.10	300.12	1058.62	1041.59	1040.61	9
4	K*	488.24	471.21	470.22	971.59	954.56	953.58	8
5	N	602.28	585.25	584.27	801.48	784.46	783.47	7
6	I	715.36	698.34	697.35	687.44	670.41	669.43	6
7	L	828.45	811.42	810.44	574.36	557.33	556.35	5
8	N	942.49	925.46	924.48	461.27	444.25	443.26	4
9	T	1043.54	1026.51	1025.53	347.23	330.20	329.22	3
10	V	1142.61	1125.58	1124.59	246.18	229.15	228.17	2
11	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	11

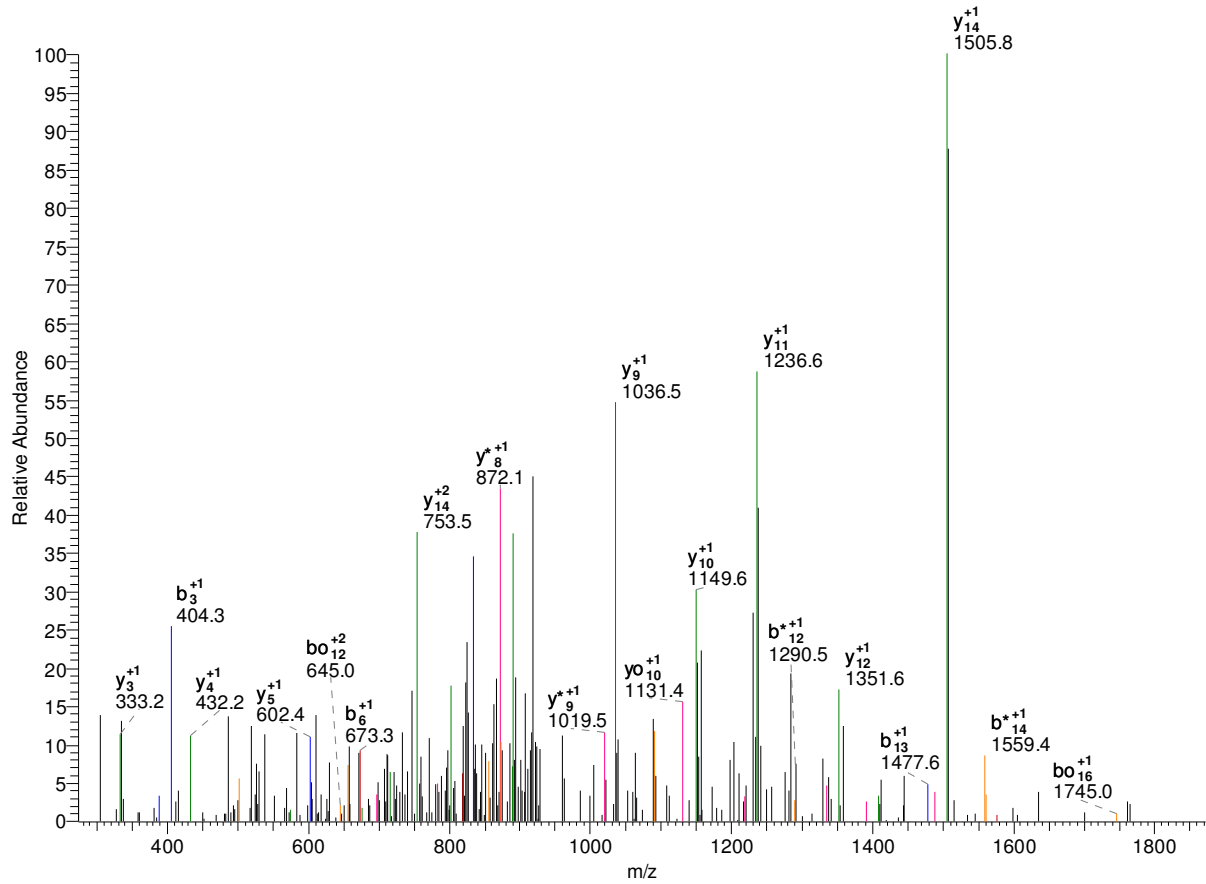
2	E	116.05	107.54	107.05	594.34	585.82	585.33	10
3	S	159.57	151.06	150.56	529.81	521.30	520.81	9
4	K*	244.62	236.11	235.62	486.30	477.78	477.29	8
5	N	301.64	293.13	292.64	401.25	392.73	392.24	7
6	I	358.18	349.67	349.18	344.22	335.71	335.22	6
7	L	414.73	406.21	405.72	287.68	279.17	278.68	5
8	N	471.75	463.23	462.74	231.14	222.63	222.13	4
9	T	522.27	513.76	513.27	174.12	165.60	165.11	3
10	V	571.81	563.29	562.80	123.59	115.08	114.59	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1908.92 R.WGC@PGDSLFISSIK*VGEK.N

psu|PF11_0385 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein |
location=MAL11: 42 – 59

#6495-6495 NL: 5.07E1



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	W	187.09	170.06	169.08	-	-	-	17
2	G	244.11	227.08	226.10	1722.84	1705.81	1704.83	16
3	C@	404.14	387.11	386.13	1665.82	1648.79	1647.80	15
4	P	501.19	484.16	483.18	1505.78	1488.76	1487.77	14
5	G	558.21	541.19	540.20	1408.73	1391.71	1390.72	13
6	D	673.24	656.21	655.23	1351.71	1334.68	1333.70	12
7	S	760.27	743.25	742.26	1236.68	1219.66	1218.67	11
8	L	873.36	856.33	855.35	1149.65	1132.62	1131.64	10
9	F	1020.42	1003.40	1002.41	1036.57	1019.54	1018.56	9
10	S	1107.46	1090.43	1089.45	889.50	872.47	871.49	8
11	S	1194.49	1177.46	1176.48	802.47	785.44	784.46	7
12	I	1307.57	1290.55	1289.56	715.43	698.41	697.42	6
13	K*	1477.68	1460.65	1459.67	602.35	585.32	584.34	5
14	V	1576.75	1559.72	1558.74	432.25	415.22	414.23	4
15	G	1633.77	1616.74	1615.76	333.18	316.15	315.17	3
16	E	1762.81	1745.78	1744.80	276.16	259.13	258.14	2

17	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

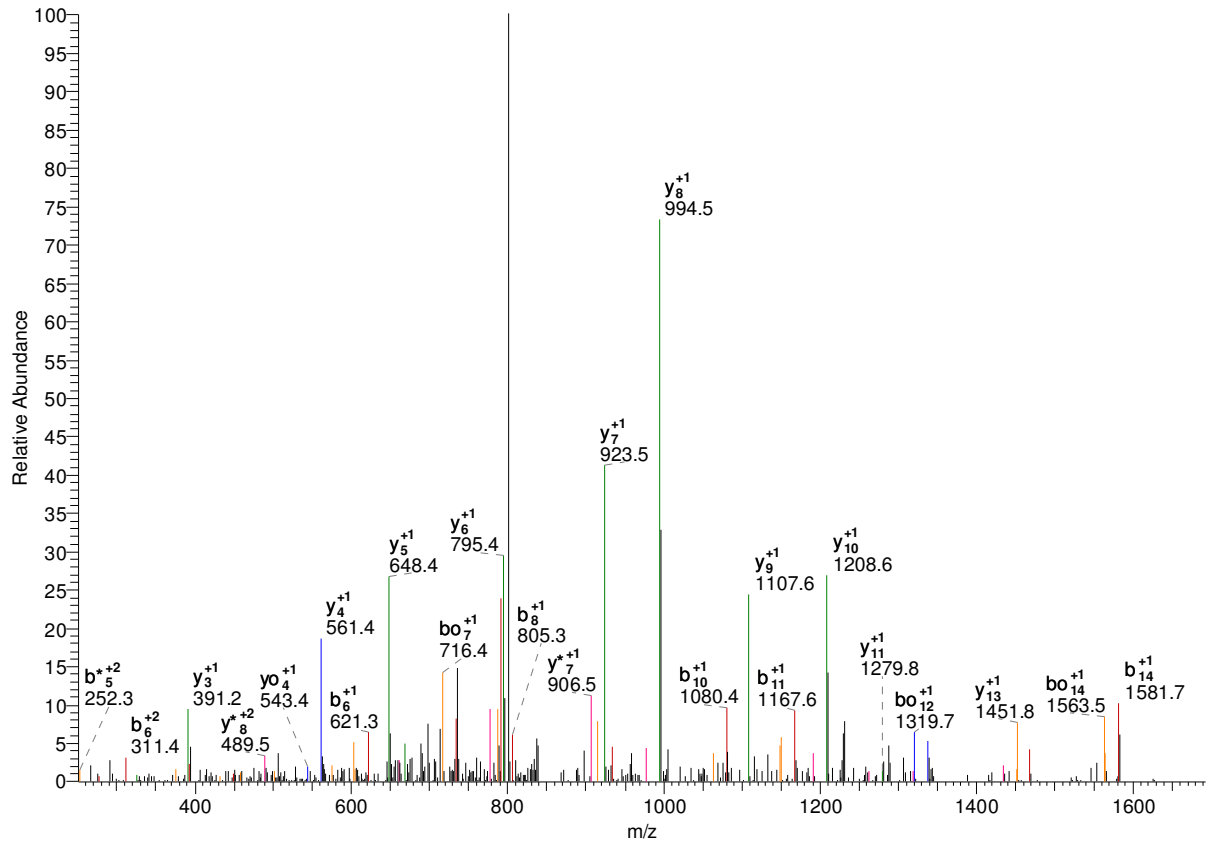
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	W	94.05	85.53	85.04	-	-	-	17
2	G	122.56	114.04	113.55	861.92	853.41	852.92	16
3	C@	202.57	194.06	193.57	833.41	824.90	824.41	15
4	P	251.10	242.59	242.09	753.40	744.88	744.39	14
5	G	279.61	271.10	270.60	704.87	696.36	695.86	13
6	D	337.12	328.61	328.12	676.36	667.85	667.35	12
7	S	380.64	372.13	371.63	618.85	610.33	609.84	11
8	L	437.18	428.67	428.18	575.33	566.82	566.32	10
9	F	510.72	502.20	501.71	518.79	510.27	509.78	9
10	S	554.23	545.72	545.23	445.25	436.74	436.25	8
11	S	597.75	589.23	588.74	401.74	393.22	392.73	7
12	I	654.29	645.78	645.28	358.22	349.71	349.22	6
13	K*	739.34	730.83	730.34	301.68	293.17	292.67	5
14	V	788.88	780.36	779.87	216.63	208.11	207.62	4
15	G	817.39	808.87	808.38	167.09	158.58	158.09	3
16	E	881.91	873.40	872.90	138.58	130.07	129.58	2
17	K	-	-	-	74.06	65.55	65.05	1

-

1727.90 R.YIDGATLAQFSK*MLK.M

psu|PFC0170c | organism=Plasmodium_falciparum_3D7 | product=dihydrolipoamide acyltransferase, putat 419 – 434

#7716-7716 NL: 2.92E2



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	15
2	I	277.15	260.13	259.14	1564.84	1547.81	1546.83	14
3	D	392.18	375.16	374.17	1451.76	1434.73	1433.75	13
4	G	449.20	432.18	431.19	1336.73	1319.70	1318.72	12
5	A	520.24	503.21	502.23	1279.71	1262.68	1261.70	11
6	T	621.29	604.26	603.28	1208.67	1191.64	1190.66	10
7	L	734.37	717.35	716.36	1107.62	1090.60	1089.61	9
8	A	805.41	788.38	787.40	994.54	977.51	976.53	8
9	Q	933.47	916.44	915.46	923.50	906.48	905.49	7
10	F	1080.54	1063.51	1062.53	795.44	778.42	777.43	6
11	S	1167.57	1150.54	1149.56	648.37	631.35	630.36	5
12	K*	1337.67	1320.65	1319.66	561.34	544.32	543.33	4
13	M	1468.71	1451.69	1450.70	391.24	374.21	373.23	3
14	L	1581.80	1564.77	1563.79	260.20	243.17	242.19	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	15
2	I	139.08	130.57	130.08	782.92	774.41	773.92	14
3	D	196.59	188.08	187.59	726.38	717.87	717.38	13
4	G	225.11	216.59	216.10	668.87	660.36	659.86	12
5	A	260.62	252.11	251.62	640.36	631.84	631.35	11
6	T	311.15	302.63	302.14	604.84	596.33	595.83	10
7	L	367.69	359.18	358.68	554.32	545.80	545.31	9
8	A	403.21	394.69	394.20	497.77	489.26	488.77	8
9	Q	467.24	458.72	458.23	462.25	453.74	453.25	7
10	F	540.77	532.26	531.77	398.23	389.71	389.22	6
11	S	584.29	575.77	575.28	324.69	316.18	315.69	5
12	K*	669.34	660.83	660.34	281.18	272.66	272.17	4
13	M	734.86	726.35	725.86	196.12	187.61	187.12	3
14	L	791.40	782.89	782.40	130.60	122.09	121.60	2
15	K	-	-	-	74.06	65.55	65.05	1

-

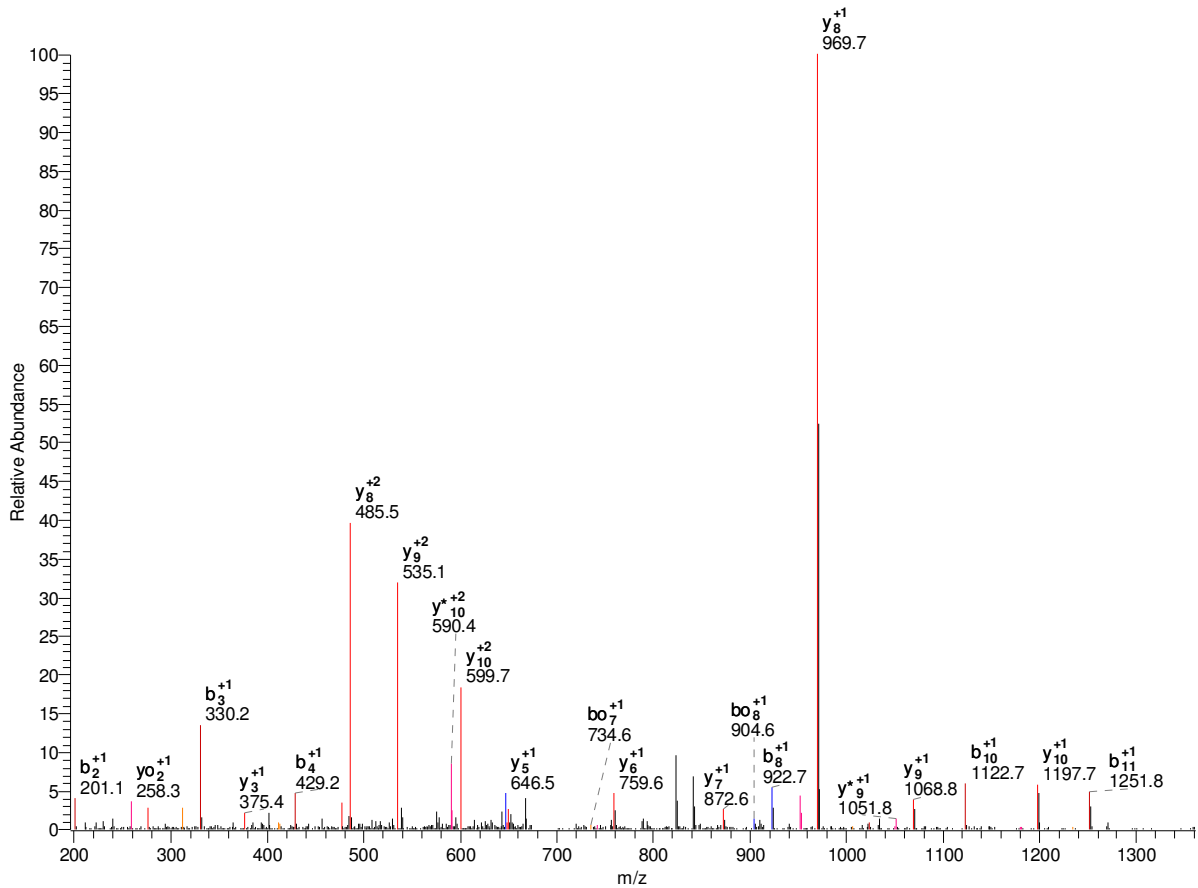
1	Y	82.54	74.03	73.53	-	-	-	12
2	S	126.05	117.54	117.05	623.31	614.80	614.30	11
3	S	169.57	161.06	160.57	579.79	571.28	570.79	10
4	F	243.11	234.59	234.10	536.28	527.76	527.27	9
5	S	286.62	278.11	277.62	462.74	454.23	453.74	8
6	S	330.14	321.62	321.13	419.23	410.71	410.22	7
7	V	379.67	371.16	370.67	375.71	367.20	366.71	6
8	N	436.69	428.18	427.69	326.18	317.66	317.17	5
9	K*	521.75	513.23	512.74	269.16	260.64	260.15	4
10	Y	603.28	594.76	594.27	184.10	175.59	175.10	3
11	G	631.79	623.27	622.78	102.57	94.06	93.57	2
12	K	-	-	-	74.06	65.55	65.05	1

psu|PF10_0039 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL10:

AA#43 – 55

1397.83 0.00 K.TVEVPIIK*TVEK.Y

#4823-4823 NL: 1.19E4

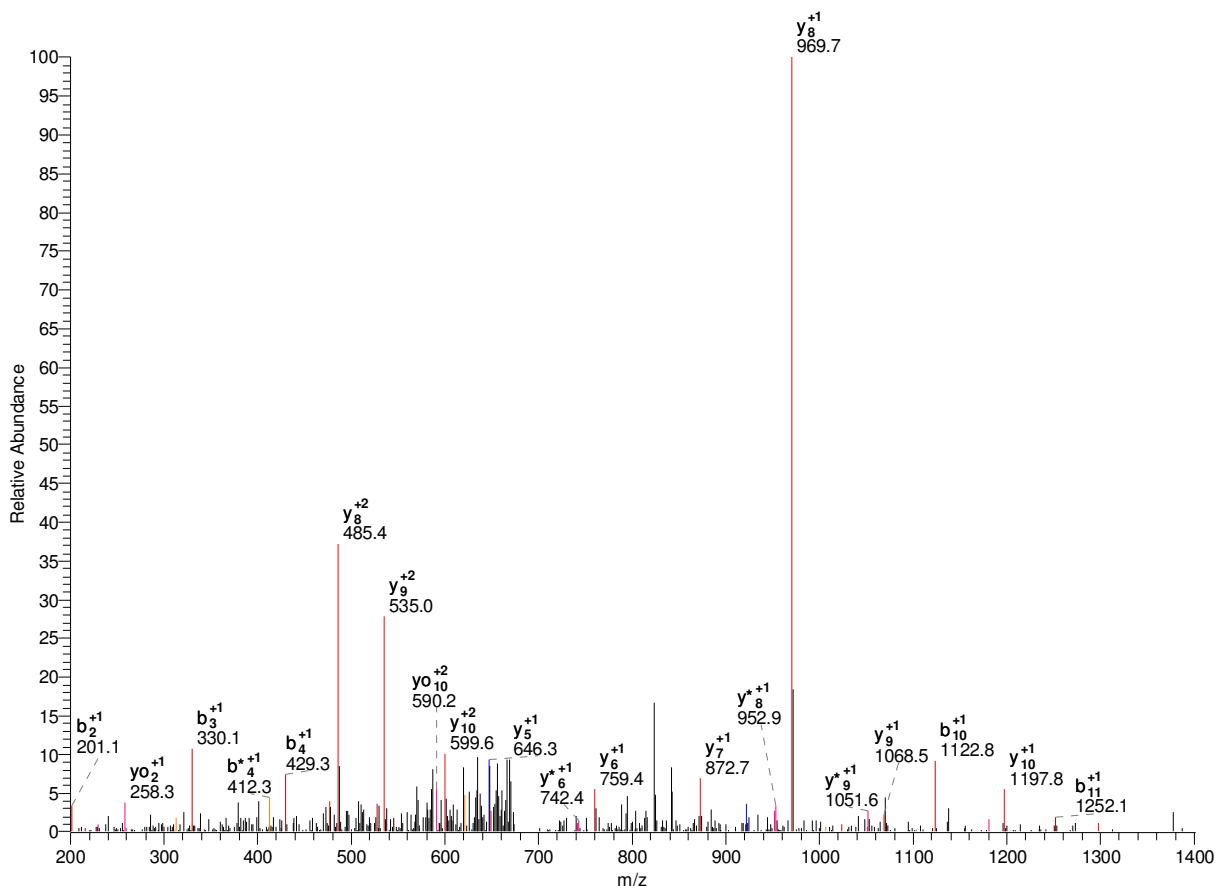


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	12
2	V	201.12	184.10	183.11	1296.78	1279.75	1278.77	11
3	E	330.17	313.14	312.16	1197.71	1180.68	1179.70	10
4	V	429.23	412.21	411.22	1068.67	1051.64	1050.66	9
5	P	526.29	509.26	508.28	969.60	952.57	951.59	8
6	I	639.37	622.34	621.36	872.55	855.52	854.53	7
7	I	752.46	735.43	734.44	759.46	742.43	741.45	6
8	K*	922.56	905.53	904.55	646.38	629.35	628.37	5
9	T	1023.61	1006.58	1005.60	476.27	459.24	458.26	4
10	V	1122.68	1105.65	1104.67	375.22	358.20	357.21	3
11	E	1251.72	1234.69	1233.71	276.16	259.13	258.14	2
12	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	12
2	V	101.07	92.55	92.06	648.89	640.38	639.89	11
3	E	165.59	157.07	156.58	599.36	590.84	590.35	10
4	V	215.12	206.61	206.12	534.84	526.32	525.83	9
5	P	263.65	255.13	254.64	485.30	476.79	476.30	8
6	I	320.19	311.68	311.18	436.78	428.26	427.77	7
7	I	376.73	368.22	367.73	380.23	371.72	371.23	6
8	K*	461.78	453.27	452.78	323.69	315.18	314.69	5
9	T	512.31	503.79	503.30	238.64	230.13	229.63	4
10	V	561.84	553.33	552.84	188.12	179.60	179.11	3
11	E	626.36	617.85	617.36	138.58	130.07	129.58	2
12	K	-	-	-	74.06	65.55	65.05	1

1397.83 0.09K.TVEVPIIK*TVEK.Y psu|PF10_0039 |
 organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

#5016-5016 NL: 4.11E2



		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	12
2	V	201.12	184.10	183.11	1296.78	1279.75	1278.77	11
3	E	330.17	313.14	312.16	1197.71	1180.68	1179.70	10
4	V	429.23	412.21	411.22	1068.67	1051.64	1050.66	9
5	P	526.29	509.26	508.28	969.60	952.57	951.59	8
6	I	639.37	622.34	621.36	872.55	855.52	854.53	7
7	I	752.46	735.43	734.44	759.46	742.43	741.45	6
8	K*	922.56	905.53	904.55	646.38	629.35	628.37	5
9	T	1023.61	1006.58	1005.60	476.27	459.24	458.26	4

10	V	1122.68	1105.65	1104.67	375.22	358.20	357.21	3
11	E	1251.72	1234.69	1233.71	276.16	259.13	258.14	2
12	K	-	-	-	147.11	130.09	129.10	1

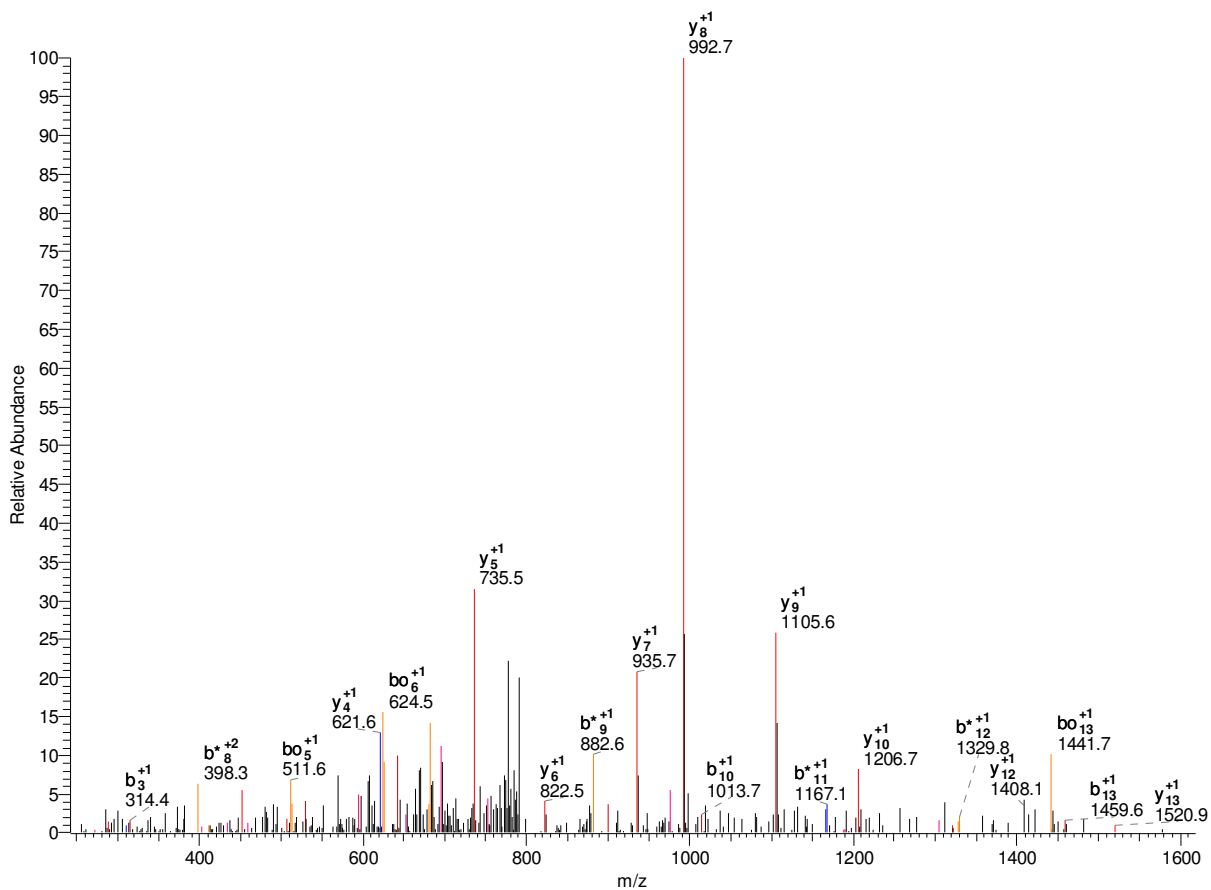
-

		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	12
2	V	101.07	92.55	92.06	648.89	640.38	639.89	11
3	E	165.59	157.07	156.58	599.36	590.84	590.35	10
4	V	215.12	206.61	206.12	534.84	526.32	525.83	9
5	P	263.65	255.13	254.64	485.30	476.79	476.30	8
6	I	320.19	311.68	311.18	436.78	428.26	427.77	7
7	I	376.73	368.22	367.73	380.23	371.72	371.23	6
8	K*	461.78	453.27	452.78	323.69	315.18	314.69	5
9	T	512.31	503.79	503.30	238.64	230.13	229.63	4
10	V	561.84	553.33	552.84	188.12	179.60	179.11	3
11	E	626.36	617.85	617.36	138.58	130.07	129.58	2
12	K	-	-	-	74.06	65.55	65.05	1

-

1633.93 -0.13 R.ILSNTLGISNK*YIR.N psu|PF11_0091 |
organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

#7582-7582 NL: 2.37E2



		B	B*	B0	Y	Y*	Y0	
1	I	114.09	97.06	96.08	-	-	-	14
2	L	227.18	210.15	209.16	1520.84	1503.82	1502.83	13
3	S	314.21	297.18	296.20	1407.76	1390.73	1389.75	12
4	N	428.25	411.22	410.24	1320.73	1303.70	1302.72	11
5	T	529.30	512.27	511.29	1206.68	1189.66	1188.67	10
6	L	642.38	625.36	624.37	1105.64	1088.61	1087.63	9
7	G	699.40	682.38	681.39	992.55	975.53	974.54	8
8	I	812.49	795.46	794.48	935.53	918.50	917.52	7
9	S	899.52	882.49	881.51	822.45	805.42	804.44	6
10	N	1013.56	996.54	995.55	735.41	718.39	717.40	5

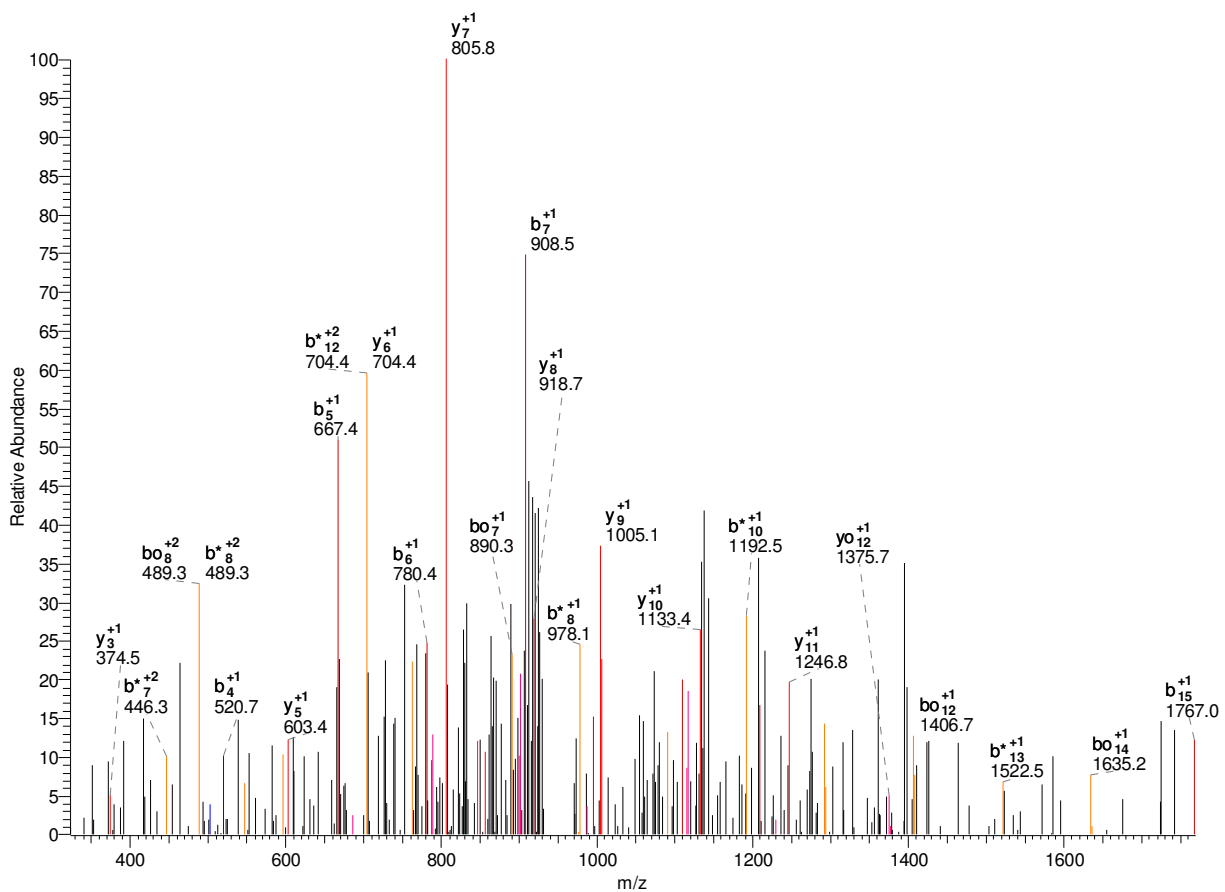
11	K*	1183.67	1166.64	1165.66	621.37	604.35	603.36	4
12	Y	1346.73	1329.70	1328.72	451.27	434.24	433.26	3
13	I	1459.82	1442.79	1441.80	288.20	271.18	270.19	2
14	R	-	-	-	175.12	158.09	157.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	I	57.55	49.04	48.54	-	-	-	14
2	L	114.09	105.58	105.09	760.93	752.41	751.92	13
3	S	157.61	149.09	148.60	704.38	695.87	695.38	12
4	N	214.63	206.12	205.62	660.87	652.35	651.86	11
5	T	265.15	256.64	256.15	603.85	595.33	594.84	10
6	L	321.69	313.18	312.69	553.32	544.81	544.32	9
7	G	350.21	341.69	341.20	496.78	488.27	487.77	8
8	I	406.75	398.23	397.74	468.27	459.76	459.26	7
9	S	450.26	441.75	441.26	411.73	403.21	402.72	6
10	N	507.28	498.77	498.28	368.21	359.70	359.21	5
11	K*	592.34	583.82	583.33	311.19	302.68	302.18	4
12	Y	673.87	665.36	664.86	226.14	217.62	217.13	3
13	I	730.41	721.90	721.41	144.61	136.09	135.60	2
14	R	-	-	-	88.06	79.55	79.06	1

1912.97 -0.13 K.DSFK*FLQSLTTNDLNK.I psu|PF14_0497 |
organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

#10814-10814 NL: 4.19E1



		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	16
2	S	203.07	186.04	185.06	1797.94	1780.91	1779.93	15
3	F	350.13	333.11	332.12	1710.91	1693.88	1692.90	14
4	K*	520.24	503.21	502.23	1563.84	1546.81	1545.83	13
5	F	667.31	650.28	649.30	1393.73	1376.71	1375.72	12
6	L	780.39	763.37	762.38	1246.66	1229.64	1228.65	11
7	Q	908.45	891.42	890.44	1133.58	1116.55	1115.57	10
8	S	995.48	978.46	977.47	1005.52	988.49	987.51	9
9	L	1108.57	1091.54	1090.56	918.49	901.46	900.48	8
10	T	1209.62	1192.59	1191.60	805.41	788.38	787.39	7

11	T	1310.66	1293.64	1292.65	704.36	687.33	686.35	6
12	N	1424.71	1407.68	1406.70	603.31	586.28	585.30	5
13	D	1539.73	1522.71	1521.72	489.27	472.24	471.26	4
14	L	1652.82	1635.79	1634.81	374.24	357.21	356.23	3
15	N	1766.86	1749.83	1748.85	261.16	244.13	243.15	2
16	K	-	-	-	147.11	130.09	129.10	1

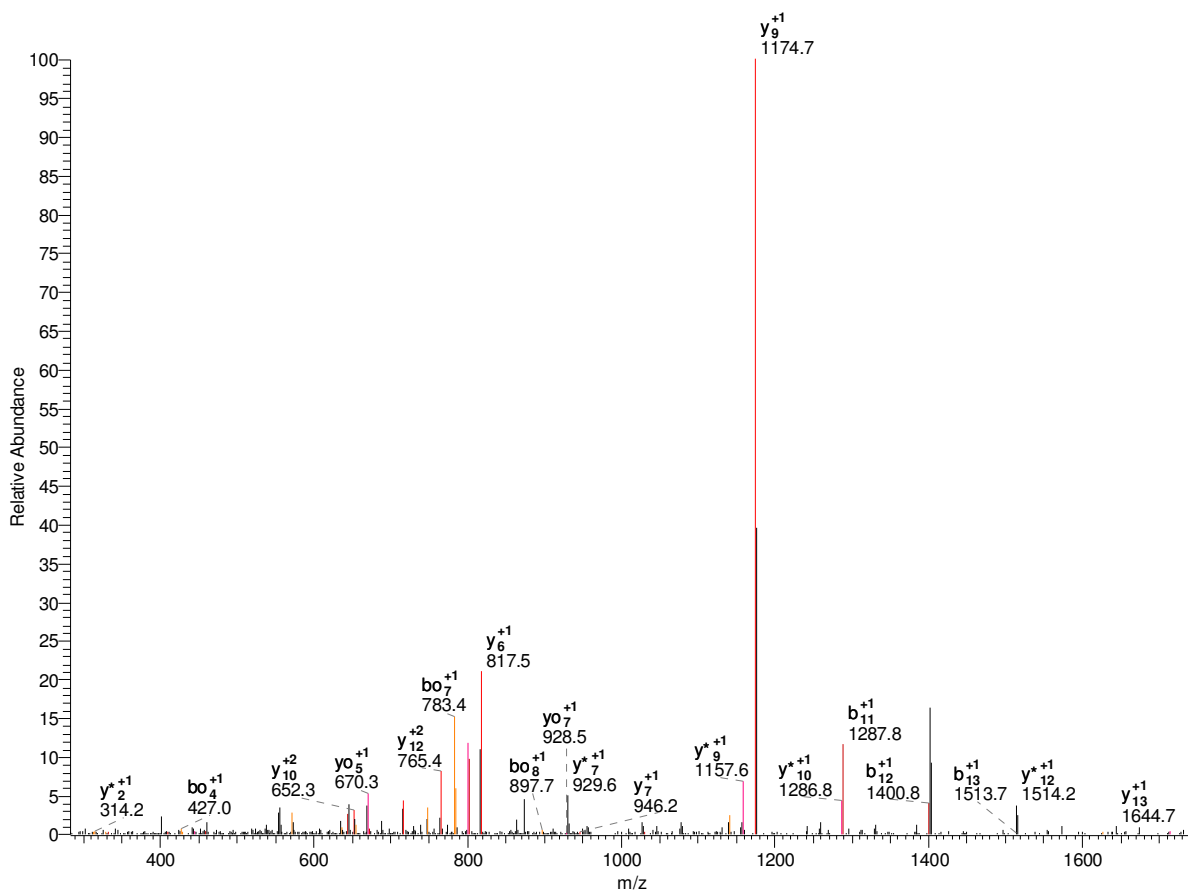
-

		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	16
2	S	102.04	93.52	93.03	899.47	890.96	890.47	15
3	F	175.57	167.06	166.57	855.96	847.44	846.95	14
4	K*	260.62	252.11	251.62	782.42	773.91	773.42	13
5	F	334.16	325.64	325.15	697.37	688.86	688.36	12
6	L	390.70	382.19	381.69	623.84	615.32	614.83	11
7	Q	454.73	446.22	445.72	567.29	558.78	558.29	10
8	S	498.25	489.73	489.24	503.26	494.75	494.26	9
9	L	554.79	546.27	545.78	459.75	451.23	450.74	8
10	T	605.31	596.80	596.31	403.21	394.69	394.20	7
11	T	655.83	647.32	646.83	352.68	344.17	343.68	6
12	N	712.86	704.34	703.85	302.16	293.65	293.15	5
13	D	770.37	761.86	761.36	245.14	236.62	236.13	4
14	L	826.91	818.40	817.91	187.62	179.11	178.62	3
15	N	883.93	875.42	874.93	131.08	122.57	122.08	2
16	K	-	-	-	74.06	65.55	65.05	1

-

psu|PF14_0673 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein | location=MAL14:

#8236-8236 NL: 1.07E4



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	E	130.05	113.02	112.04	-	-	-	16
2	N	244.09	227.07	226.08	1845.88	1828.85	1827.87	15
3	S	331.12	314.10	313.11	1731.83	1714.81	1713.82	14
4	N	445.17	428.14	427.16	1644.80	1627.77	1626.79	13
5	V	544.24	527.21	526.23	1530.76	1513.73	1512.75	12
6	K	672.33	655.30	654.32	1431.69	1414.66	1413.68	11
7	E	801.37	784.35	783.36	1303.59	1286.57	1285.58	10
8	N	915.42	898.39	897.41	1174.55	1157.53	1156.54	9
9	N	1029.46	1012.43	1011.45	1060.51	1043.48	1042.50	8
10	E	1158.50	1141.48	1140.49	946.47	929.44	928.46	7

11	E	1287.54	1270.52	1269.53	817.42	800.40	799.41	6
12	I	1400.63	1383.60	1382.62	688.38	671.35	670.37	5
13	I	1513.71	1496.69	1495.70	575.30	558.27	557.29	4
14	M	1644.75	1627.73	1626.74	462.21	445.19	444.20	3
15	N	1758.80	1741.77	1740.79	331.17	314.15	313.16	2
16	R*	-	-	-	217.13	200.10	199.12	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	E	65.53	57.02	56.52	-	-	-	16
2	N	122.55	114.04	113.54	923.44	914.93	914.44	15
3	S	166.07	157.55	157.06	866.42	857.91	857.41	14
4	N	223.09	214.57	214.08	822.90	814.39	813.90	13
5	V	272.62	264.11	263.62	765.88	757.37	756.88	12
6	K	336.67	328.16	327.66	716.35	707.84	707.34	11
7	E	401.19	392.68	392.19	652.30	643.79	643.30	10
8	N	458.21	449.70	449.21	587.78	579.27	578.77	9
9	N	515.23	506.72	506.23	530.76	522.24	521.75	8
10	E	579.75	571.24	570.75	473.74	465.22	464.73	7
11	E	644.28	635.76	635.27	409.22	400.70	400.21	6
12	I	700.82	692.30	691.81	344.69	336.18	335.69	5
13	I	757.36	748.85	748.35	288.15	279.64	279.15	4
14	M	822.88	814.37	813.88	231.61	223.10	222.60	3
15	N	879.90	871.39	870.90	166.09	157.58	157.08	2
16	R*	-	-	-	109.07	100.56	100.06	1

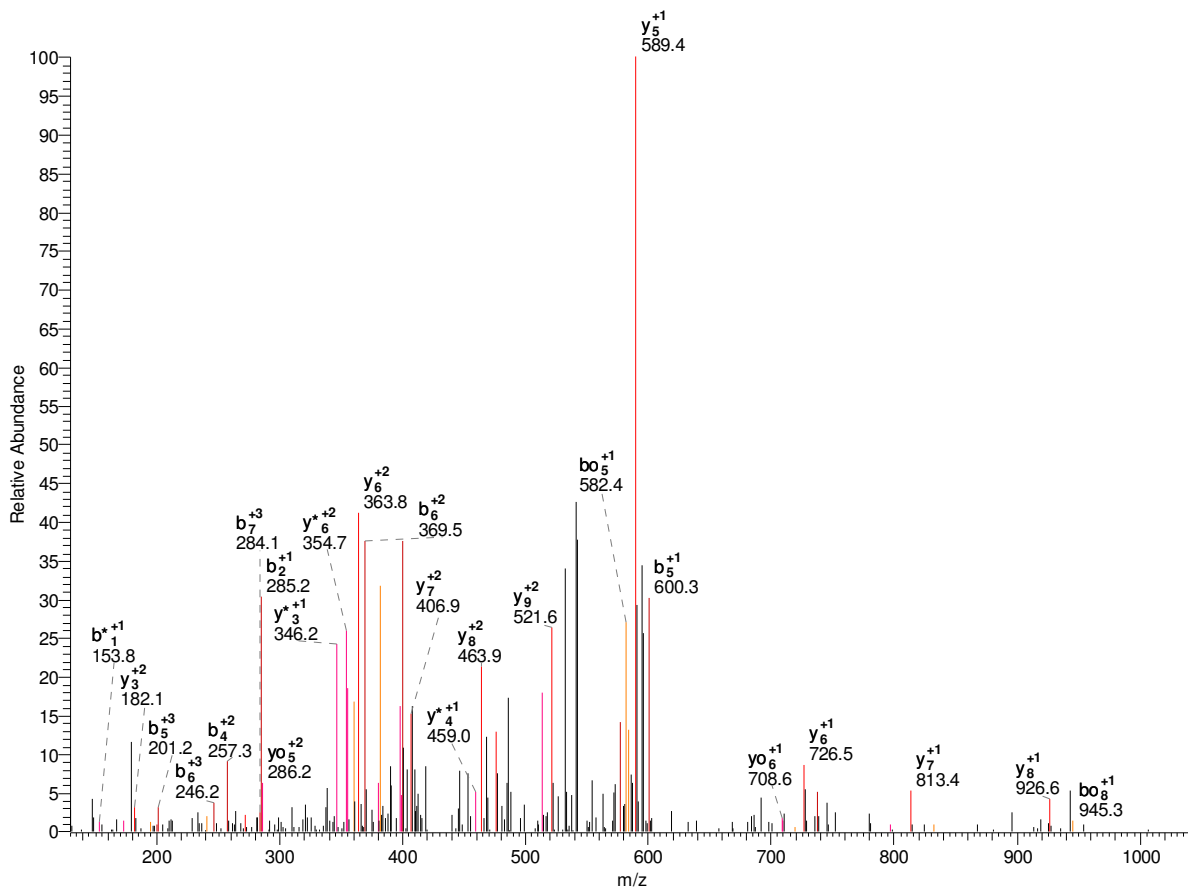
psu|PF13_0080 | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | loca

1325.72

0.13 K.K*NDISHIITSR.K

AA# 768 – 779

#4708-4708 NL: 3.66E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	11
2	N	285.16	268.13	267.15	1155.61	1138.59	1137.60	10
3	D	400.18	383.16	382.17	1041.57	1024.54	1023.56	9
4	I	513.27	496.24	495.26	926.54	909.52	908.53	8
5	S	600.30	583.27	582.29	813.46	796.43	795.45	7
6	H	737.36	720.33	719.35	726.43	709.40	708.42	6
7	I	850.44	833.42	832.43	589.37	572.34	571.36	5
8	I	963.53	946.50	945.52	476.28	459.26	458.27	4
9	T	1064.57	1047.55	1046.56	363.20	346.17	345.19	3
10	S	1151.61	1134.58	1133.59	262.15	245.12	244.14	2

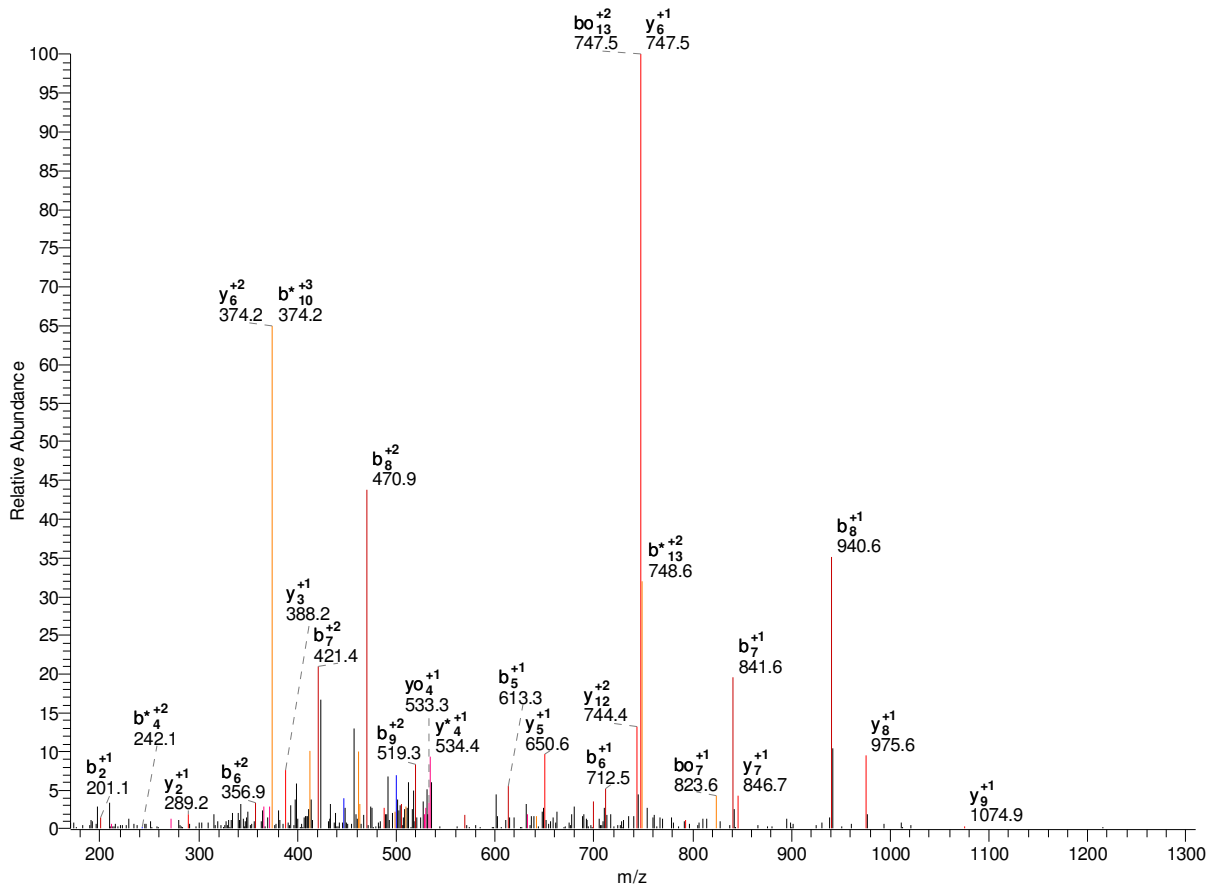
11	R	-	-	-	175.12	158.09	157.11	1
----	---	---	---	---	--------	--------	--------	---

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	11
2	N	143.08	134.57	134.08	578.31	569.80	569.30	10
3	D	200.59	192.08	191.59	521.29	512.77	512.28	9
4	I	257.14	248.62	248.13	463.77	455.26	454.77	8
5	S	300.65	292.14	291.65	407.23	398.72	398.23	7
6	H	369.18	360.67	360.18	363.72	355.20	354.71	6
7	I	425.72	417.21	416.72	295.19	286.67	286.18	5
8	I	482.27	473.75	473.26	238.64	230.13	229.64	4
9	T	532.79	524.28	523.79	182.10	173.59	173.10	3
10	S	576.31	567.79	567.30	131.58	123.07	122.57	2
11	R	-	-	-	88.06	79.55	79.06	1

+3 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	57.71	52.03	51.71	-	-	-	11
2	N	95.72	90.05	89.72	385.88	380.20	379.87	10
3	D	134.07	128.39	128.06	347.86	342.19	341.86	9
4	I	171.76	166.08	165.76	309.52	303.84	303.52	8
5	S	200.77	195.10	194.77	271.82	266.15	265.82	7
6	H	246.46	240.78	240.45	242.81	237.14	236.81	6
7	I	284.15	278.48	278.15	197.13	191.45	191.12	5
8	I	321.85	316.17	315.84	159.43	153.76	153.43	4
9	T	355.53	349.85	349.53	121.74	116.06	115.73	3
10	S	384.54	378.86	378.54	88.06	82.38	82.05	2
11	R	-	-	-	59.04	53.37	53.04	1

1686.94 -0.13 K.TVEK*IVEVPVYVNR.E psu|PFE1285w |
 organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

#6533-6533 NL: 3.64E2



		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	14
2	V	201.12	184.10	183.11	1585.89	1568.87	1567.88	13
3	E	330.17	313.14	312.16	1486.83	1469.80	1468.82	12
4	K*	500.27	483.24	482.26	1357.78	1340.76	1339.77	11
5	I	613.36	596.33	595.34	1187.68	1170.65	1169.67	10
6	V	712.42	695.40	694.41	1074.59	1057.57	1056.58	9
7	E	841.47	824.44	823.46	975.53	958.50	957.52	8
8	V	940.53	923.51	922.52	846.48	829.46	828.47	7
9	P	1037.59	1020.56	1019.58	747.41	730.39	729.40	6

10	V	1136.66	1119.63	1118.65	650.36	633.34	632.35	5
11	Y	1299.72	1282.69	1281.71	551.29	534.27	533.28	4
12	V	1398.79	1381.76	1380.78	388.23	371.20	370.22	3
13	N	1512.83	1495.80	1494.82	289.16	272.14	271.15	2
14	R	-	-	-	175.12	158.09	157.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	14
2	V	101.07	92.55	92.06	793.45	784.94	784.45	13
3	E	165.59	157.07	156.58	743.92	735.40	734.91	12
4	K*	250.64	242.13	241.63	679.40	670.88	670.39	11
5	I	307.18	298.67	298.18	594.34	585.83	585.34	10
6	V	356.72	348.20	347.71	537.80	529.29	528.80	9
7	E	421.24	412.72	412.23	488.27	479.75	479.26	8
8	V	470.77	462.26	461.77	423.75	415.23	414.74	7
9	P	519.30	510.78	510.29	374.21	365.70	365.21	6
10	V	568.83	560.32	559.83	325.68	317.17	316.68	5
11	Y	650.36	641.85	641.36	276.15	267.64	267.15	4
12	V	699.90	691.38	690.89	194.62	186.11	185.61	3
13	N	756.92	748.41	747.91	145.08	136.57	136.08	2
14	R	-	-	-	88.06	79.55	79.06	1

-

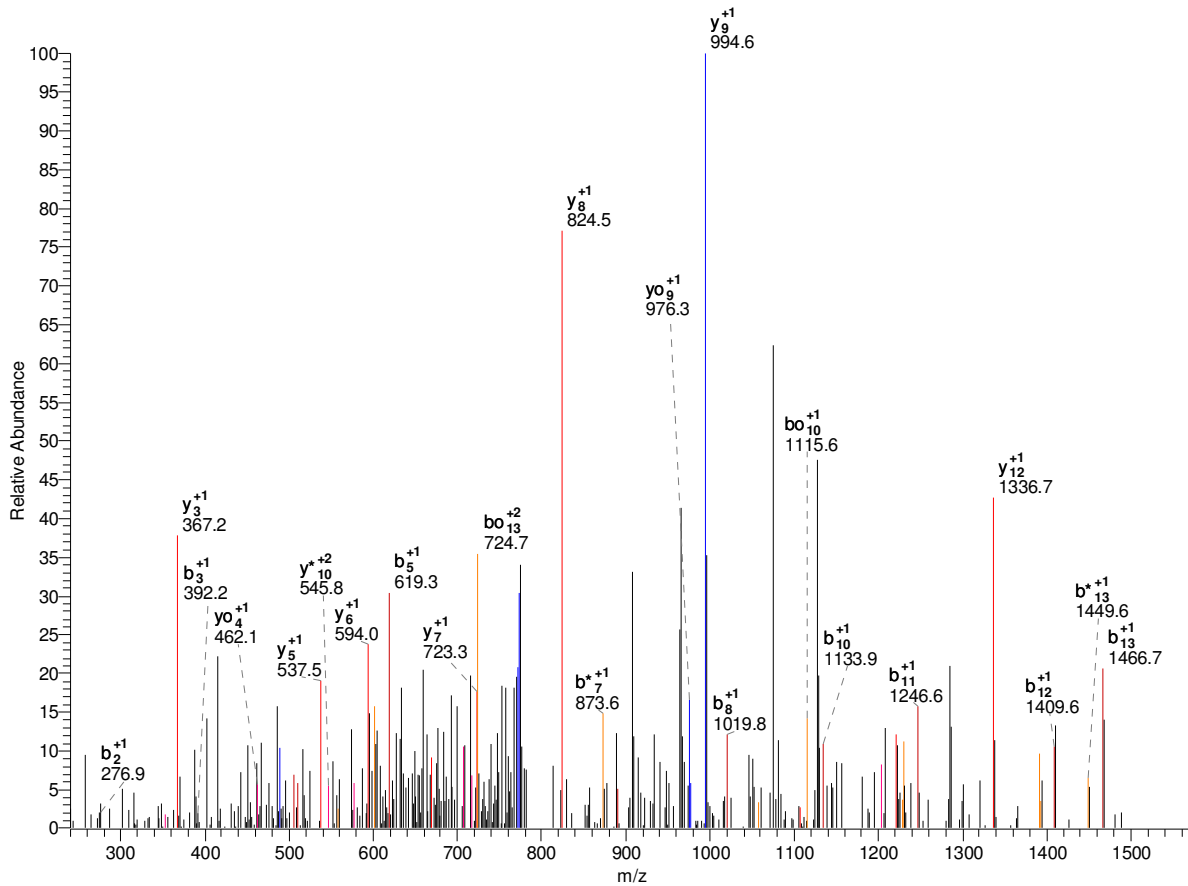
		B	B*	B0	Y	Y*	Y0	
1	T	34.69	29.01	28.69	-	-	-	14
2	V	67.71	62.04	61.71	529.30	523.63	523.30	13
3	E	110.73	105.05	104.72	496.28	490.60	490.28	12
4	K*	167.43	161.75	161.43	453.27	447.59	447.26	11

5	I	205.12	199.45	199.12	396.56	390.89	390.56	10
6	V	238.15	232.47	232.14	358.87	353.19	352.87	9
7	E	281.16	275.48	275.16	325.85	320.17	319.84	8
8	V	314.18	308.51	308.18	282.83	277.16	276.83	7
9	P	346.53	340.86	340.53	249.81	244.13	243.81	6
10	V	379.56	373.88	373.55	217.46	211.78	211.46	5
11	Y	433.91	428.24	427.91	184.44	178.76	178.43	4
12	V	466.93	461.26	460.93	130.08	124.41	124.08	3
13	N	504.95	499.27	498.94	97.06	91.38	91.06	2
14	R	-	-	-	59.04	53.37	53.04	1

-

1612.82 -0.19 R.YLDNLK*TEGGIYGK.A psu|PFI1340w |
organism=Plasmodium_falciparum_3D7 | product=fumarate hydratase,

#5697-5697 NL: 6.80E1



		B	B*	B0	Y	Y*	Y0	
1	Y	164.07	147.04	146.06	-	-	-	14
2	L	277.15	260.13	259.14	1449.76	1432.73	1431.75	13
3	D	392.18	375.16	374.17	1336.67	1319.65	1318.66	12
4	N	506.22	489.20	488.21	1221.65	1204.62	1203.64	11
5	L	619.31	602.28	601.30	1107.60	1090.58	1089.59	10
6	K*	789.41	772.39	771.40	994.52	977.49	976.51	9
7	T	890.46	873.44	872.45	824.41	807.39	806.40	8
8	E	1019.50	1002.48	1001.49	723.37	706.34	705.36	7
9	G	1076.53	1059.50	1058.52	594.32	577.30	576.31	6
10	G	1133.55	1116.52	1115.54	537.30	520.28	519.29	5
11	I	1246.63	1229.60	1228.62	480.28	463.26	462.27	4
12	Y	1409.69	1392.67	1391.68	367.20	350.17	349.19	3
13	G	1466.72	1449.69	1448.71	204.13	187.11	186.12	2
14	K	-	-	-	147.11	130.09	129.10	1

-

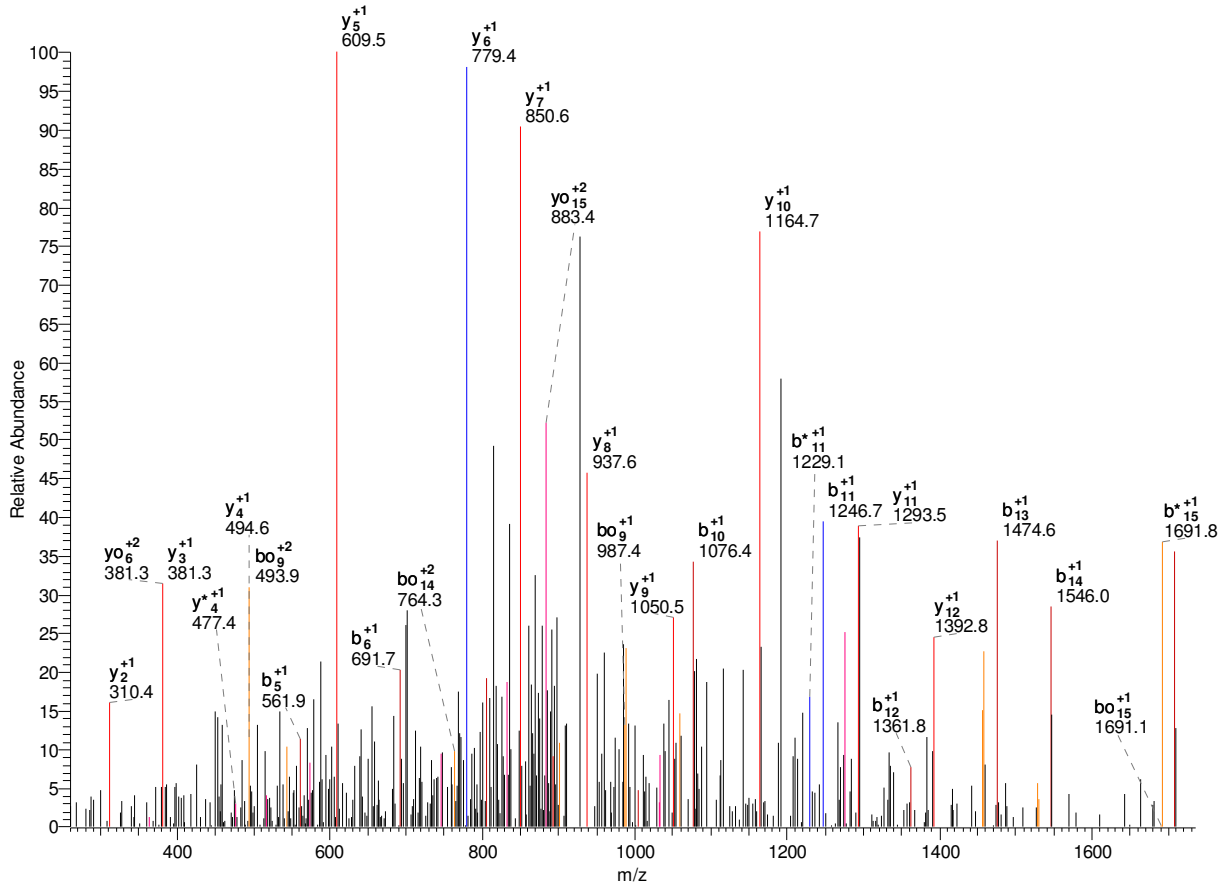
		B	B*	B0	Y	Y*	Y0	
1	Y	82.54	74.03	73.53	-	-	-	14
2	L	139.08	130.57	130.08	725.38	716.87	716.38	13
3	D	196.59	188.08	187.59	668.84	660.33	659.84	12
4	N	253.62	245.10	244.61	611.33	602.81	602.32	11
5	L	310.16	301.64	301.15	554.31	545.79	545.30	10
6	K*	395.21	386.70	386.21	497.76	489.25	488.76	9
7	T	445.73	437.22	436.73	412.71	404.20	403.71	8
8	E	510.26	501.74	501.25	362.19	353.67	353.18	7
9	G	538.77	530.25	529.76	297.67	289.15	288.66	6
10	G	567.28	558.76	558.27	269.16	260.64	260.15	5

11	I	623.82	615.31	614.81	240.64	232.13	231.64	4
12	Y	705.35	696.84	696.35	184.10	175.59	175.10	3
13	G	733.86	725.35	724.86	102.57	94.06	93.57	2
14	K	-	-	-	74.06	65.55	65.05	1

-

1854.95 -0.12 R.ALYDVENLSAK*DIAYK.A psu|PFL1465c |
 organism=Plasmodium_falciparum_3D7 | product=heat shock protein

#8010-8010 NL: 5.77E1



		B	B*	B0	Y	Y*	Y0	
1	A	72.04	55.02	54.03	-	-	-	16
2	L	185.13	168.10	167.12	1783.91	1766.88	1765.90	15
3	Y	348.19	331.17	330.18	1670.83	1653.80	1652.82	14
4	D	463.22	446.19	445.21	1507.76	1490.74	1489.75	13

5	V	562.29	545.26	544.28	1392.74	1375.71	1374.73	12
6	E	691.33	674.30	673.32	1293.67	1276.64	1275.66	11
7	N	805.37	788.35	787.36	1164.63	1147.60	1146.62	10
8	L	918.46	901.43	900.45	1050.58	1033.56	1032.57	9
9	S	1005.49	988.46	987.48	937.50	920.47	919.49	8
10	A	1076.53	1059.50	1058.52	850.47	833.44	832.46	7
11	K*	1246.63	1229.60	1228.62	779.43	762.40	761.42	6
12	D	1361.66	1344.63	1343.65	609.32	592.30	591.31	5
13	I	1474.74	1457.72	1456.73	494.30	477.27	476.29	4
14	A	1545.78	1528.75	1527.77	381.21	364.19	363.20	3
15	Y	1708.84	1691.82	1690.83	310.18	293.15	292.17	2
16	K	-	-	-	147.11	130.09	129.10	1

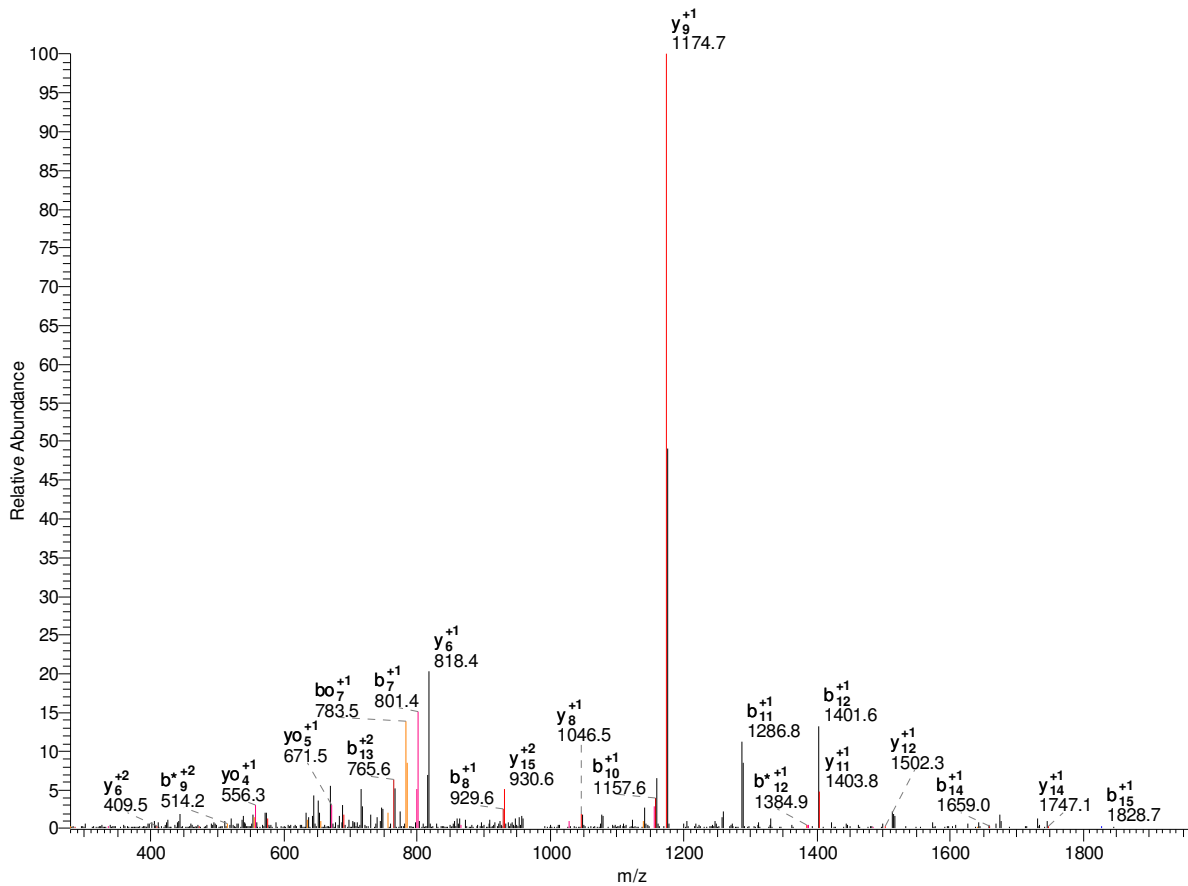
-

		B	B*	B0	Y	Y*	Y0	
1	A	36.53	28.01	27.52	-	-	-	16
2	L	93.07	84.55	84.06	892.46	883.95	883.45	15
3	Y	174.60	166.09	165.59	835.92	827.40	826.91	14
4	D	232.11	223.60	223.11	754.39	745.87	745.38	13
5	V	281.65	273.13	272.64	696.87	688.36	687.87	12
6	E	346.17	337.66	337.16	647.34	638.82	638.33	11
7	N	403.19	394.68	394.18	582.82	574.30	573.81	10
8	L	459.73	451.22	450.73	525.80	517.28	516.79	9
9	S	503.25	494.73	494.24	469.25	460.74	460.25	8
10	A	538.77	530.25	529.76	425.74	417.22	416.73	7
11	K*	623.82	615.31	614.81	390.22	381.71	381.21	6
12	D	681.33	672.82	672.33	305.17	296.65	296.16	5
13	I	737.87	729.36	728.87	247.65	239.14	238.65	4
14	A	773.39	764.88	764.39	191.11	182.60	182.10	3

15	Y	854.93	846.41	845.92	155.59	147.08	146.59	2
16	K	-	-	-	74.06	65.55	65.05	1

psu|PFL1495w | organism=Plasmodium_falciparum_3D7 | product=hypothetical protein, conserved | locat

#8433-8433 NL: 2.19E3



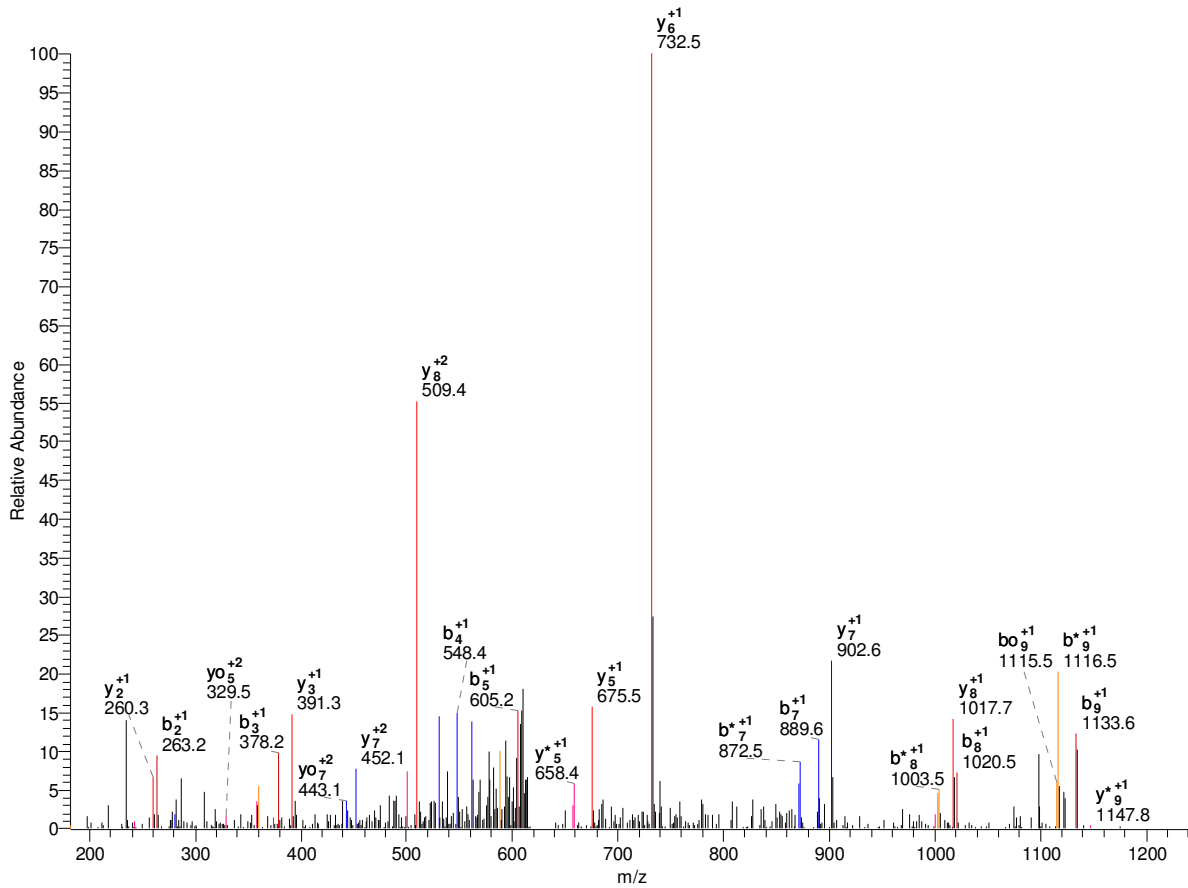
+1 Ions		B	B*	B0	Y	Y*	Y0	
1	N	115.05	98.02	97.04	-	-	-	16
2	N	229.09	212.07	211.08	1860.95	1843.93	1842.94	15
3	E	358.14	341.11	340.13	1746.91	1729.89	1728.90	14
4	D	473.16	456.14	455.15	1617.87	1600.84	1599.86	13
5	V	572.23	555.20	554.22	1502.84	1485.82	1484.83	12

6	T	673.28	656.25	655.27	1403.77	1386.75	1385.76	11
7	K	801.37	784.35	783.36	1302.73	1285.70	1284.72	10
8	K	929.47	912.44	911.46	1174.63	1157.60	1156.62	9
9	D	1044.50	1027.47	1026.49	1046.54	1029.51	1028.53	8
10	I	1157.58	1140.55	1139.57	931.51	914.48	913.50	7
11	E	1286.62	1269.60	1268.61	818.43	801.40	800.41	6
12	D	1401.65	1384.62	1383.64	689.38	672.36	671.37	5
13	K	1529.74	1512.72	1511.73	574.36	557.33	556.35	4
14	E	1658.79	1641.76	1640.78	446.26	429.23	428.25	3
15	K*	1828.89	1811.87	1810.88	317.22	300.19	299.21	2
16	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	N	58.03	49.52	49.02	-	-	-	16
2	N	115.05	106.54	106.04	930.98	922.47	921.98	15
3	E	179.57	171.06	170.57	873.96	865.45	864.95	14
4	D	237.08	228.57	228.08	809.44	800.93	800.43	13
5	V	286.62	278.11	277.61	751.92	743.41	742.92	12
6	T	337.14	328.63	328.14	702.39	693.88	693.39	11
7	K	401.19	392.68	392.19	651.87	643.35	642.86	10
8	K	465.24	456.72	456.23	587.82	579.31	578.81	9
9	D	522.75	514.24	513.75	523.77	515.26	514.77	8
10	I	579.29	570.78	570.29	466.26	457.75	457.25	7
11	E	643.81	635.30	634.81	409.72	401.20	400.71	6
12	D	701.33	692.81	692.32	345.20	336.68	336.19	5
13	K	765.38	756.86	756.37	287.68	279.17	278.68	4
14	E	829.90	821.38	820.89	223.63	215.12	214.63	3
15	K*	914.95	906.44	905.94	159.11	150.60	150.11	2
16	K	-	-	-	74.06	65.55	65.05	1

1279.64 -0.04 K.DFDK*GNK*MIK.E psu|PF10_0079 |
 organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

#3898-3898 NL: 3.11E2



		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	10
2	F	263.10	246.08	245.09	1164.61	1147.58	1146.60	9
3	D	378.13	361.10	360.12	1017.54	1000.51	999.53	8
4	K*	548.24	531.21	530.22	902.51	885.49	884.50	7
5	G	605.26	588.23	587.25	732.41	715.38	714.40	6
6	N	719.30	702.27	701.29	675.39	658.36	657.38	5
7	K*	889.41	872.38	871.39	561.34	544.32	543.33	4
8	M	1020.45	1003.42	1002.43	391.24	374.21	373.23	3
9	I	1133.53	1116.50	1115.52	260.20	243.17	242.19	2

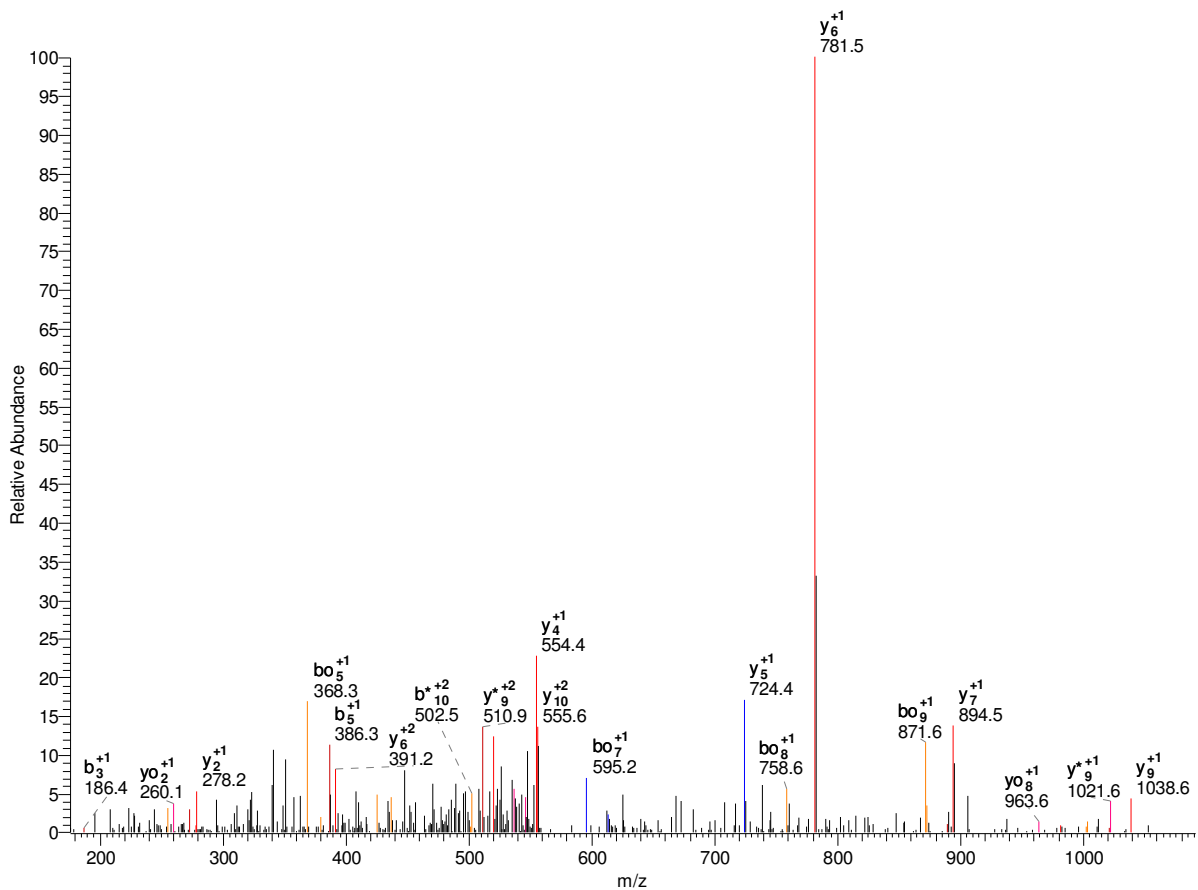
10	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	10
2	F	132.05	123.54	123.05	582.81	574.29	573.80	9
3	D	189.57	181.06	180.56	509.27	500.76	500.27	8
4	K*	274.62	266.11	265.62	451.76	443.25	442.75	7
5	G	303.13	294.62	294.13	366.71	358.19	357.70	6
6	N	360.15	351.64	351.15	338.20	329.68	329.19	5
7	K*	445.21	436.69	436.20	281.18	272.66	272.17	4
8	M	510.73	502.21	501.72	196.12	187.61	187.12	3
9	I	567.27	558.76	558.26	130.60	122.09	121.60	2
10	K	-	-	-	74.06	65.55	65.05	1

1166.62 -0.07 K.GAGSIGK*YIMK.E psu|PF11_0192 |
 organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

#5269-5269 NL: 3.35E2



		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	11
2	A	129.07	112.04	111.06	1109.60	1092.58	1091.59	10
3	G	186.09	169.06	168.08	1038.57	1021.54	1020.55	9
4	S	273.12	256.09	255.11	981.54	964.52	963.53	8
5	I	386.20	369.18	368.19	894.51	877.49	876.50	7
6	G	443.22	426.20	425.21	781.43	764.40	763.42	6
7	K*	613.33	596.30	595.32	724.41	707.38	706.40	5
8	Y	776.39	759.37	758.38	554.30	537.27	536.29	4
9	I	889.48	872.45	871.47	391.24	374.21	373.23	3
10	M	1020.52	1003.49	1002.51	278.15	261.13	260.14	2

11	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

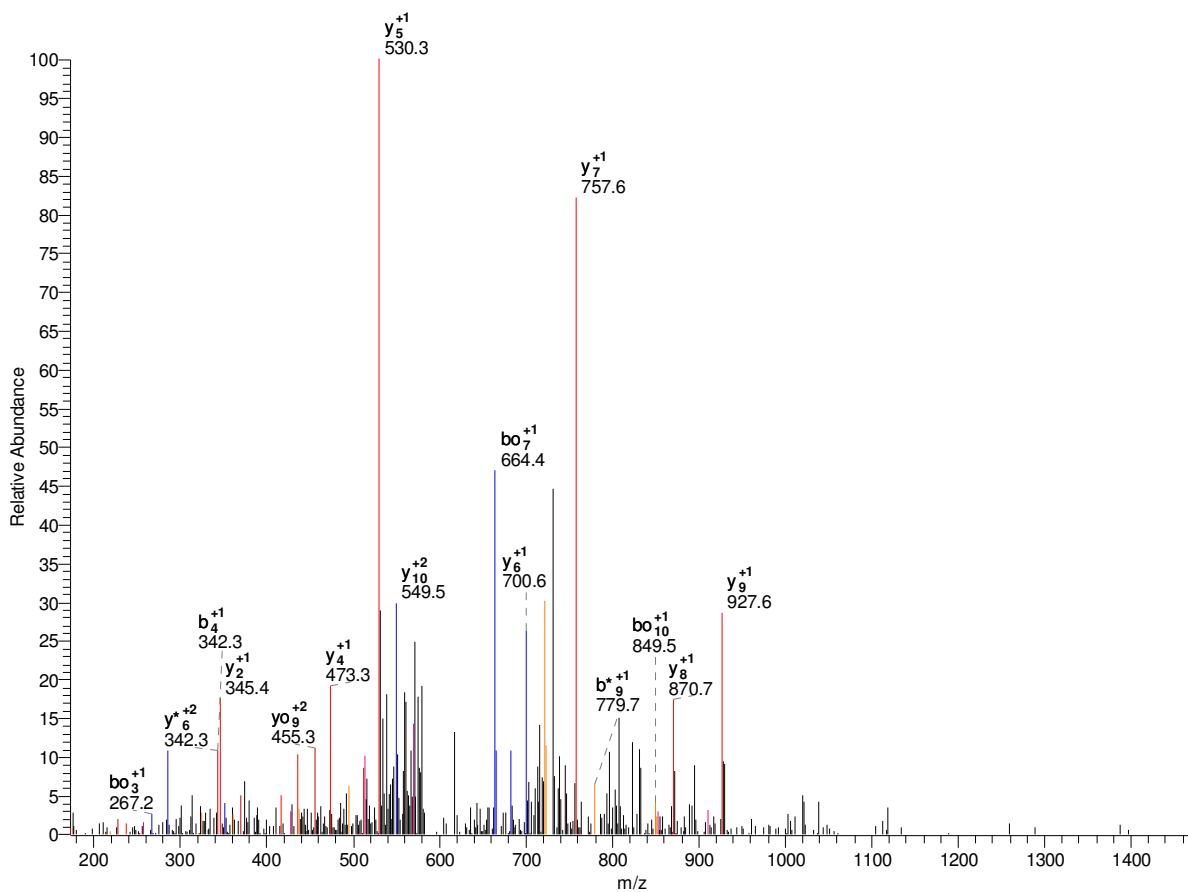
-

		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	11
2	A	65.04	56.52	56.03	555.30	546.79	546.30	10
3	G	93.55	85.03	84.54	519.79	511.27	510.78	9
4	S	137.06	128.55	128.06	491.28	482.76	482.27	8
5	I	193.61	185.09	184.60	447.76	439.25	438.75	7
6	G	222.12	213.60	213.11	391.22	382.70	382.21	6
7	K*	307.17	298.66	298.16	362.71	354.19	353.70	5
8	Y	388.70	380.19	379.70	277.65	269.14	268.65	4
9	I	445.24	436.73	436.24	196.12	187.61	187.12	3
10	M	510.76	502.25	501.76	139.58	131.07	130.58	2
11	K	-	-	-	74.06	65.55	65.05	1

-

1211.69 -0.01 K.GGK*GLGK*GGAKR*.H Last modification may be lysine instead
 psu|PF11_0061 | organism=Plasmodium_falciparum_3D7 | product=histone H4, putati

#1925-1925 NL: 2.33E2



		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	12
2	G	115.05	98.02	97.04	1154.66	1137.64	1136.65	11
3	K*	285.16	268.13	267.15	1097.64	1080.62	1079.63	10
4	G	342.18	325.15	324.17	927.54	910.51	909.53	9
5	L	455.26	438.23	437.25	870.52	853.49	852.51	8
6	G	512.28	495.26	494.27	757.43	740.40	739.42	7
7	K*	682.39	665.36	664.38	700.41	683.38	682.40	6
8	G	739.41	722.38	721.40	530.30	513.28	512.29	5
9	G	796.43	779.40	778.42	473.28	456.26	455.27	4
10	A	867.47	850.44	849.46	416.26	399.24	398.25	3

11	K	995.56	978.54	977.55	345.22	328.20	327.21	2
12	R*	-	-	-	217.13	200.10	199.12	1

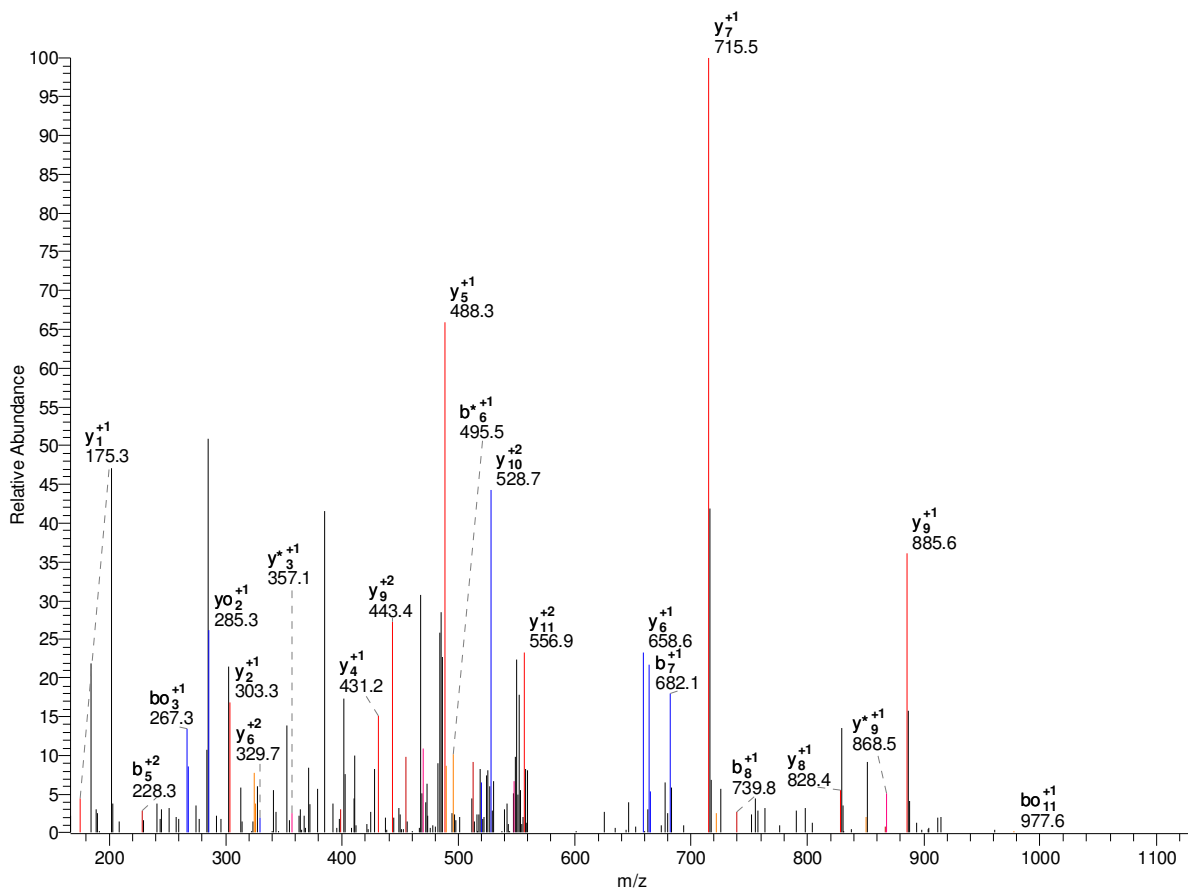
-

		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	12
2	G	58.03	49.52	49.02	577.84	569.32	568.83	11
3	K*	143.08	134.57	134.08	549.32	540.81	540.32	10
4	G	171.59	163.08	162.59	464.27	455.76	455.27	9
5	L	228.13	219.62	219.13	435.76	427.25	426.76	8
6	G	256.65	248.13	247.64	379.22	370.71	370.21	7
7	K*	341.70	333.18	332.69	350.71	342.20	341.70	6
8	G	370.21	361.70	361.20	265.66	257.14	256.65	5
9	G	398.72	390.21	389.71	237.15	228.63	228.14	4
10	A	434.24	425.72	425.23	208.63	200.12	199.63	3
11	K	498.29	489.77	489.28	173.12	164.60	164.11	2
12	R*	-	-	-	109.07	100.56	100.06	1

-

1169.67 0.00 K.GGK*GLGK*GGAKR.H psu|PF11_0061 |
organism=Plasmodium_falci-parum_3D7 | product=histone H4, putati

#854-854 NL: 8.96E1



		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	12
2	G	115.05	98.02	97.04	1112.65	1095.63	1094.64	11
3	K*	285.16	268.13	267.15	1055.63	1038.61	1037.62	10
4	G	342.18	325.15	324.17	885.53	868.50	867.52	9
5	L	455.26	438.23	437.25	828.51	811.48	810.49	8
6	G	512.28	495.26	494.27	715.42	698.39	697.41	7
7	K*	682.39	665.36	664.38	658.40	641.37	640.39	6
8	G	739.41	722.38	721.40	488.29	471.27	470.28	5
9	G	796.43	779.40	778.42	431.27	414.25	413.26	4
10	A	867.47	850.44	849.46	374.25	357.22	356.24	3

11	K	995.56	978.54	977.55	303.21	286.19	285.20	2
12	R	-	-	-	175.12	158.09	157.11	1

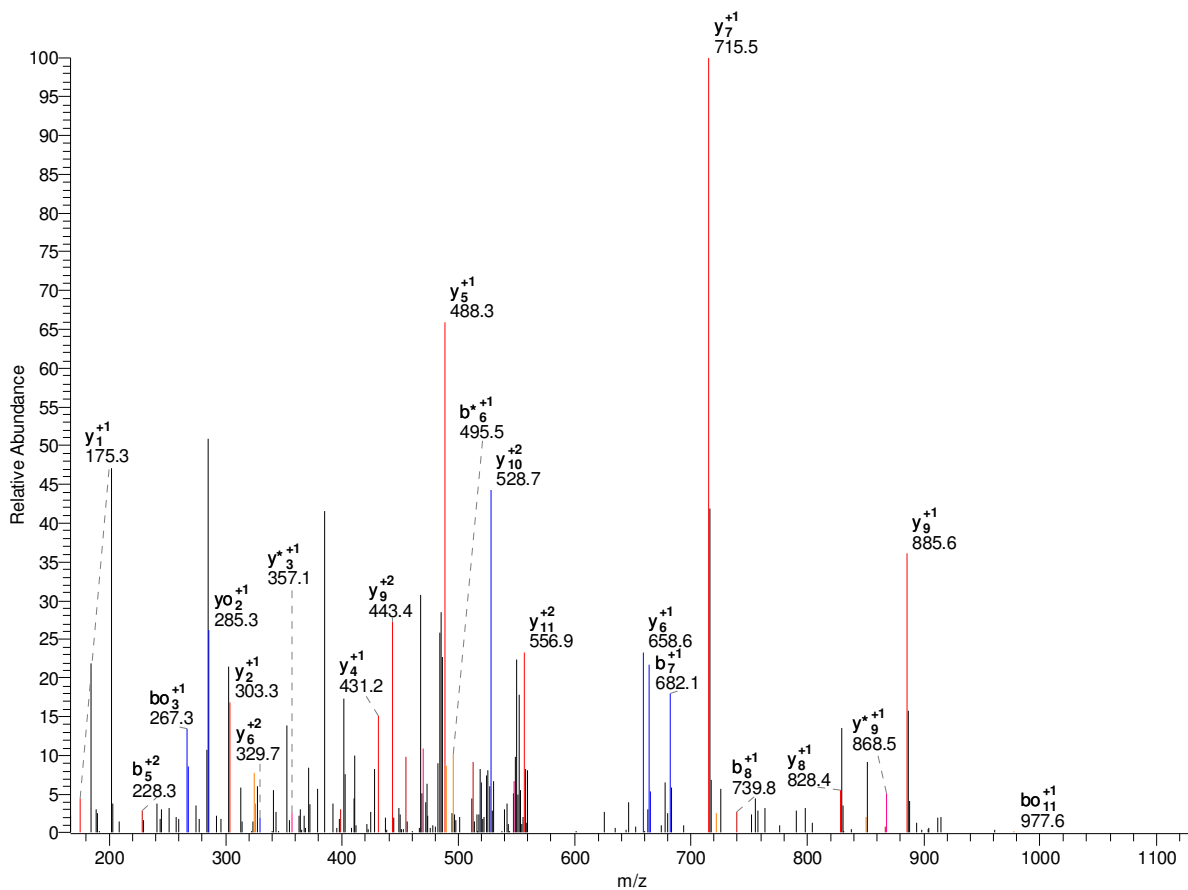
-

		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	12
2	G	58.03	49.52	49.02	556.83	548.32	547.83	11
3	K*	143.08	134.57	134.08	528.32	519.81	519.31	10
4	G	171.59	163.08	162.59	443.27	434.75	434.26	9
5	L	228.13	219.62	219.13	414.76	406.24	405.75	8
6	G	256.65	248.13	247.64	358.21	349.70	349.21	7
7	K*	341.70	333.18	332.69	329.70	321.19	320.70	6
8	G	370.21	361.70	361.20	244.65	236.14	235.65	5
9	G	398.72	390.21	389.71	216.14	207.63	207.13	4
10	A	434.24	425.72	425.23	187.63	179.12	178.62	3
11	K	498.29	489.77	489.28	152.11	143.60	143.11	2
12	R	-	-	-	88.06	79.55	79.06	1

-

1169.67 0.00K.GGK*GLGK*GGAKR.H psu|PF11_0061 |
organism=Plasmodium_falciparum_3D7 | product=histone H4, putati

#854-854 NL: 8.96E1



		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	12
2	G	115.05	98.02	97.04	1112.65	1095.63	1094.64	11
3	K*	285.16	268.13	267.15	1055.63	1038.61	1037.62	10
4	G	342.18	325.15	324.17	885.53	868.50	867.52	9
5	L	455.26	438.23	437.25	828.51	811.48	810.49	8
6	G	512.28	495.26	494.27	715.42	698.39	697.41	7
7	K*	682.39	665.36	664.38	658.40	641.37	640.39	6
8	G	739.41	722.38	721.40	488.29	471.27	470.28	5
9	G	796.43	779.40	778.42	431.27	414.25	413.26	4
10	A	867.47	850.44	849.46	374.25	357.22	356.24	3

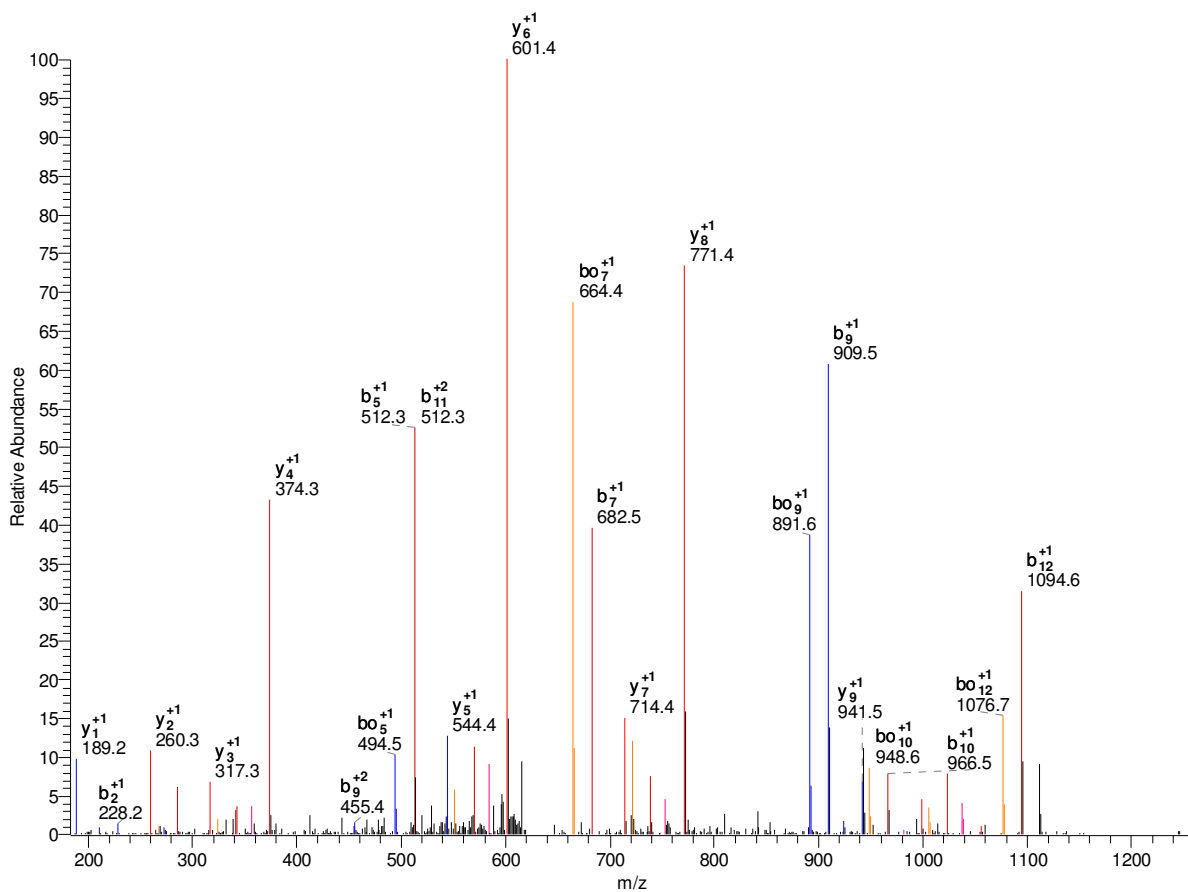
11	K	995.56	978.54	977.55	303.21	286.19	285.20	2
12	R	-	-	-	175.12	158.09	157.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	12
2	G	58.03	49.52	49.02	556.83	548.32	547.83	11
3	K*	143.08	134.57	134.08	528.32	519.81	519.31	10
4	G	171.59	163.08	162.59	443.27	434.75	434.26	9
5	L	228.13	219.62	219.13	414.76	406.24	405.75	8
6	G	256.65	248.13	247.64	358.21	349.70	349.21	7
7	K*	341.70	333.18	332.69	329.70	321.19	320.70	6
8	G	370.21	361.70	361.20	244.65	236.14	235.65	5
9	G	398.72	390.21	389.71	216.14	207.63	207.13	4
10	A	434.24	425.72	425.23	187.63	179.12	178.62	3
11	K	498.29	489.77	489.28	152.11	143.60	143.11	2
12	R	-	-	-	88.06	79.55	79.06	1

1282.71 -0.04 R.GK*GGK*GLGK*GGAK*.R psu|PF11_0061 |
organism=Plasmodium_falciparum_3D7 | product=histone H4, putati

#2194-2194 NL: 1.05E3



		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	13
2	K*	228.13	211.11	210.12	1225.69	1208.66	1207.68	12
3	G	285.16	268.13	267.15	1055.58	1038.56	1037.57	11
4	G	342.18	325.15	324.17	998.56	981.54	980.55	10
5	K*	512.28	495.26	494.27	941.54	924.51	923.53	9
6	G	569.30	552.28	551.29	771.44	754.41	753.43	8
7	L	682.39	665.36	664.38	714.41	697.39	696.40	7
8	G	739.41	722.38	721.40	601.33	584.30	583.32	6
9	K*	909.52	892.49	891.50	544.31	527.28	526.30	5
10	G	966.54	949.51	948.53	374.20	357.18	356.19	4

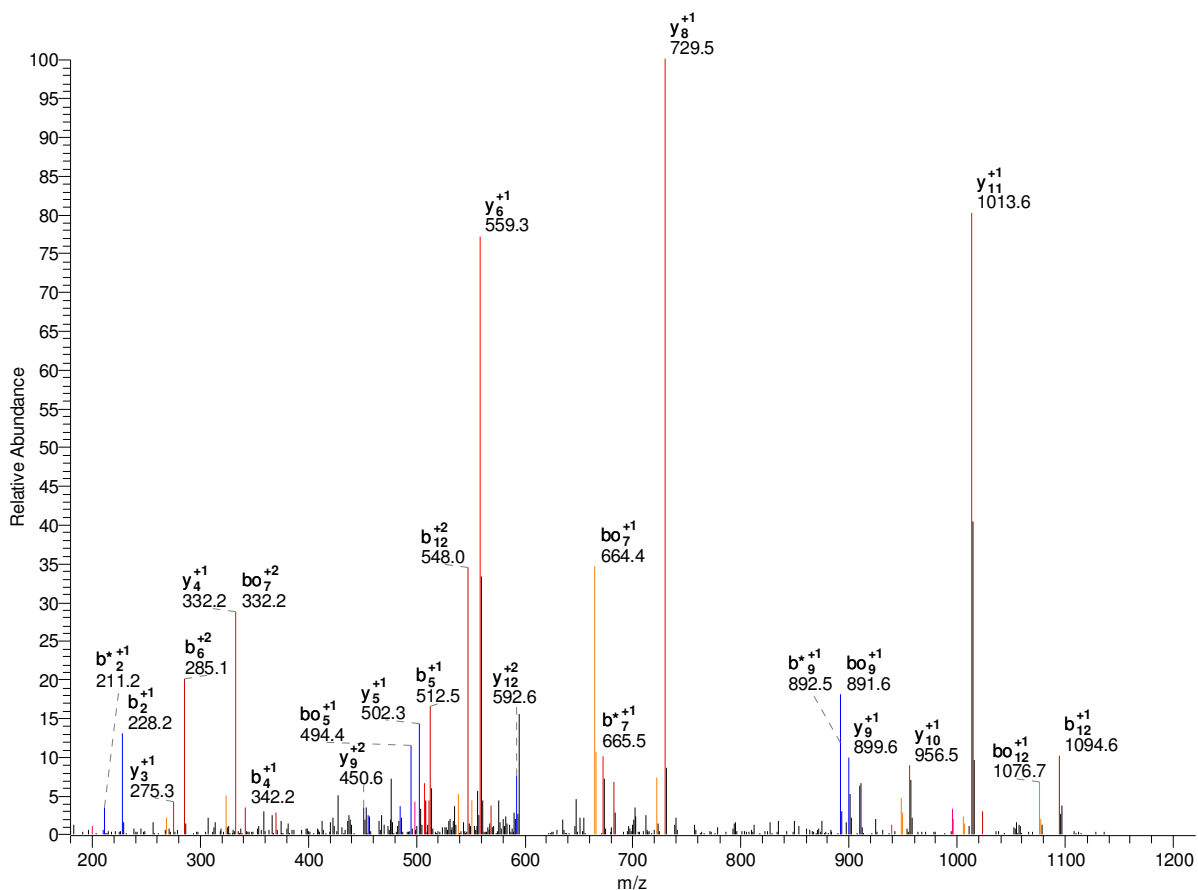
11	G	1023.56	1006.53	1005.55	317.18	300.16	299.17	3
12	A	1094.60	1077.57	1076.58	260.16	243.13	242.15	2
13	K*	-	-	-	189.12	172.10	171.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	13
2	K*	114.57	106.06	105.57	613.35	604.84	604.34	12
3	G	143.08	134.57	134.08	528.30	519.78	519.29	11
4	G	171.59	163.08	162.59	499.79	491.27	490.78	10
5	K*	256.65	248.13	247.64	471.27	462.76	462.27	9
6	G	285.16	276.64	276.15	386.22	377.71	377.22	8
7	L	341.70	333.18	332.69	357.71	349.20	348.71	7
8	G	370.21	361.70	361.20	301.17	292.66	292.16	6
9	K*	455.26	446.75	446.26	272.66	264.14	263.65	5
10	G	483.77	475.26	474.77	187.61	179.09	178.60	4
11	G	512.28	503.77	503.28	159.09	150.58	150.09	3
12	A	547.80	539.29	538.80	130.58	122.07	121.58	2
13	K*	-	-	-	95.07	86.55	86.06	1

1240.70 -0.03 R.GK*GGK*GLGK*GGAK.R psu|PF11_0061 |
organism=Plasmodium_falciparum_3D7 | product=histone H4, putati

#1302-1302 NL: 6.40E2



		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	13
2	K*	228.13	211.11	210.12	1183.68	1166.65	1165.67	12
3	G	285.16	268.13	267.15	1013.57	996.55	995.56	11
4	G	342.18	325.15	324.17	956.55	939.53	938.54	10
5	K*	512.28	495.26	494.27	899.53	882.50	881.52	9
6	G	569.30	552.28	551.29	729.43	712.40	711.41	8
7	L	682.39	665.36	664.38	672.40	655.38	654.39	7
8	G	739.41	722.38	721.40	559.32	542.29	541.31	6
9	K*	909.52	892.49	891.50	502.30	485.27	484.29	5
10	G	966.54	949.51	948.53	332.19	315.17	314.18	4

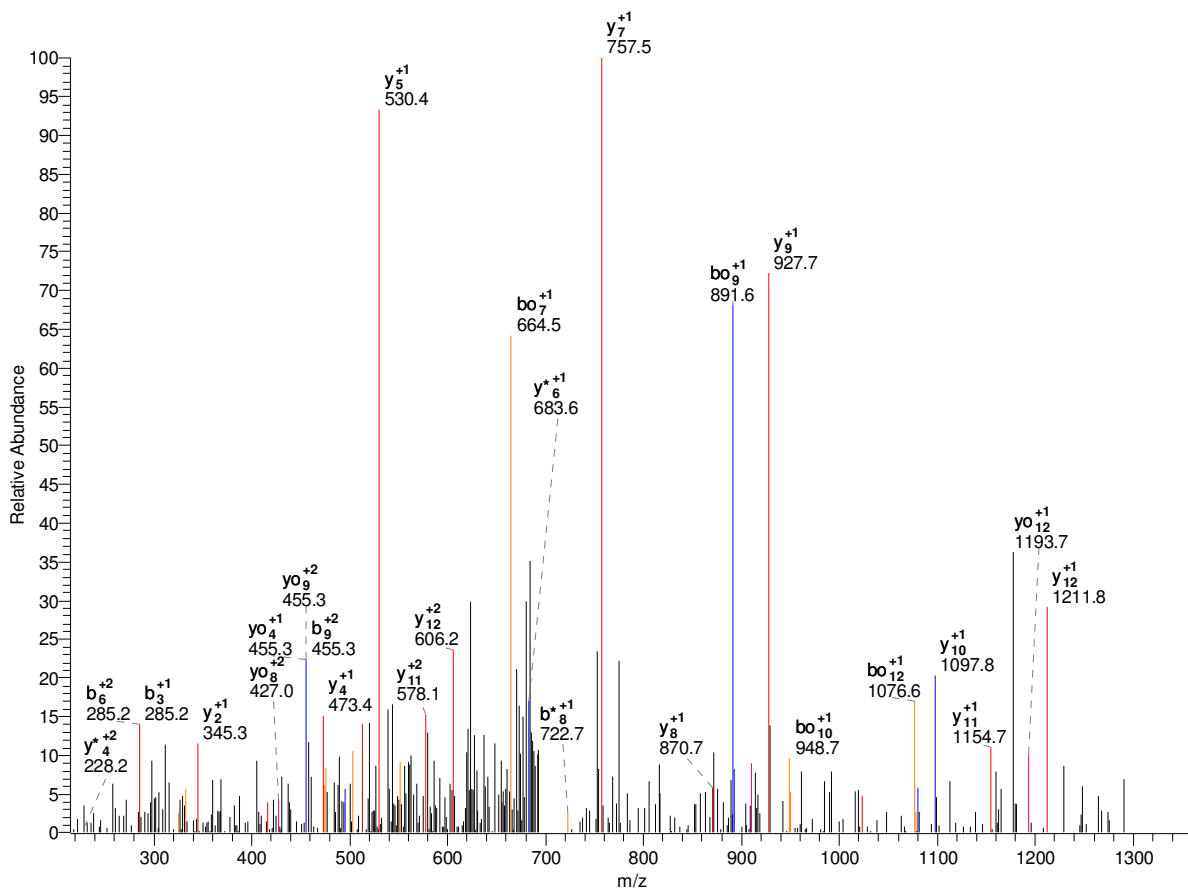
11	G	1023.56	1006.53	1005.55	275.17	258.14	257.16	3
12	A	1094.60	1077.57	1076.58	218.15	201.12	200.14	2
13	K	-	-	-	147.11	130.09	129.10	1

-

		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	13
2	K*	114.57	106.06	105.57	592.34	583.83	583.34	12
3	G	143.08	134.57	134.08	507.29	498.78	498.29	11
4	G	171.59	163.08	162.59	478.78	470.27	469.77	10
5	K*	256.65	248.13	247.64	450.27	441.76	441.26	9
6	G	285.16	276.64	276.15	365.22	356.70	356.21	8
7	L	341.70	333.18	332.69	336.71	328.19	327.70	7
8	G	370.21	361.70	361.20	280.16	271.65	271.16	6
9	K*	455.26	446.75	446.26	251.65	243.14	242.65	5
10	G	483.77	475.26	474.77	166.60	158.09	157.59	4
11	G	512.28	503.77	503.28	138.09	129.58	129.08	3
12	A	547.80	539.29	538.80	109.58	101.07	100.57	2
13	K	-	-	-	74.06	65.55	65.05	1

1438.81 -0.02 R.GK*GGK*GLGK*GGAKR*.H psu|PF11_0061 |
organism=Plasmodium_falciparum_3D7 | product=histone H4, putat

#3562-3562 NL: 1.00E2



		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	14
2	K*	228.13	211.11	210.12	1381.79	1364.76	1363.78	13
3	G	285.16	268.13	267.15	1211.69	1194.66	1193.67	12
4	G	342.18	325.15	324.17	1154.66	1137.64	1136.65	11
5	K*	512.28	495.26	494.27	1097.64	1080.62	1079.63	10
6	G	569.30	552.28	551.29	927.54	910.51	909.53	9
7	L	682.39	665.36	664.38	870.52	853.49	852.51	8
8	G	739.41	722.38	721.40	757.43	740.40	739.42	7
9	K*	909.52	892.49	891.50	700.41	683.38	682.40	6
10	G	966.54	949.51	948.53	530.30	513.28	512.29	5

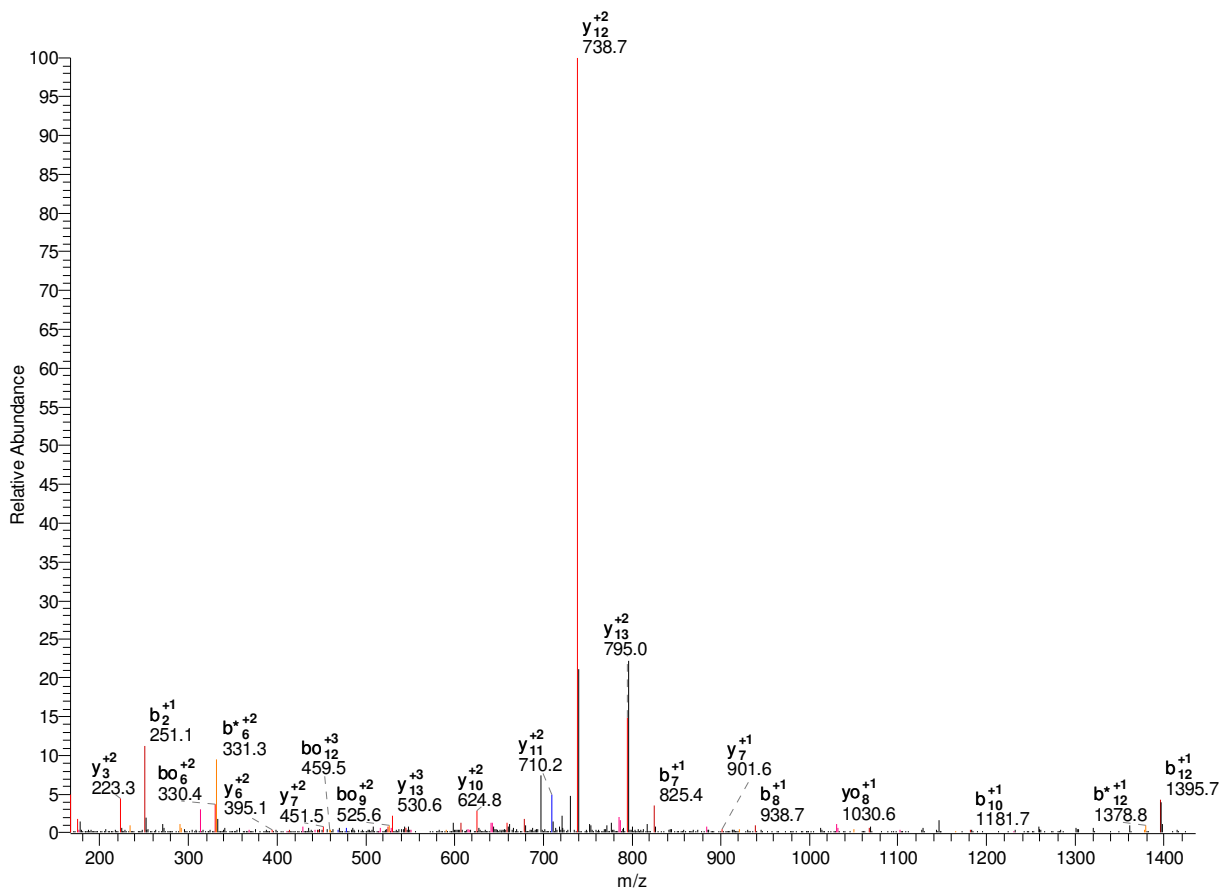
11	G	1023.56	1006.53	1005.55	473.28	456.26	455.27	4
12	A	1094.60	1077.57	1076.58	416.26	399.24	398.25	3
13	K	1222.69	1205.66	1204.68	345.22	328.20	327.21	2
14	R*	-	-	-	217.13	200.10	199.12	1

-

		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	14
2	K*	114.57	106.06	105.57	691.40	682.89	682.39	13
3	G	143.08	134.57	134.08	606.35	597.83	597.34	12
4	G	171.59	163.08	162.59	577.84	569.32	568.83	11
5	K*	256.65	248.13	247.64	549.32	540.81	540.32	10
6	G	285.16	276.64	276.15	464.27	455.76	455.27	9
7	L	341.70	333.18	332.69	435.76	427.25	426.76	8
8	G	370.21	361.70	361.20	379.22	370.71	370.21	7
9	K*	455.26	446.75	446.26	350.71	342.20	341.70	6
10	G	483.77	475.26	474.77	265.66	257.14	256.65	5
11	G	512.28	503.77	503.28	237.15	228.63	228.14	4
12	A	547.80	539.29	538.80	208.63	200.12	199.63	3
13	K	611.85	603.34	602.84	173.12	164.60	164.11	2
14	R*	-	-	-	109.07	100.56	100.06	1

1725.90 0.20 K.HLGK*EAFLENVDRR.L psu|PF14_0487 |
organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

#5886-5886 NL: 1.03E4



		B	B*	B0	Y	Y*	Y0	
1	H	138.07	121.04	120.06	-	-	-	14
2	L	251.15	234.12	233.14	1588.84	1571.82	1570.83	13
3	G	308.17	291.15	290.16	1475.76	1458.73	1457.75	12
4	K*	478.28	461.25	460.27	1418.74	1401.71	1400.73	11
5	E	607.32	590.29	589.31	1248.63	1231.61	1230.62	10
6	A	678.36	661.33	660.35	1119.59	1102.56	1101.58	9
7	F	825.43	808.40	807.41	1048.55	1031.53	1030.54	8
8	L	938.51	921.48	920.50	901.49	884.46	883.47	7
9	E	1067.55	1050.53	1049.54	788.40	771.37	770.39	6
10	N	1181.59	1164.57	1163.58	659.36	642.33	641.35	5

11	V	1280.66	1263.64	1262.65	545.32	528.29	527.30	4
12	D	1395.69	1378.66	1377.68	446.25	429.22	428.24	3
13	R	1551.79	1534.76	1533.78	331.22	314.19	313.21	2
14	R	-	-	-	175.12	158.09	157.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	H	69.54	61.02	60.53	-	-	-	14
2	L	126.08	117.57	117.07	794.93	786.41	785.92	13
3	G	154.59	146.08	145.58	738.38	729.87	729.38	12
4	K*	239.64	231.13	230.64	709.87	701.36	700.87	11
5	E	304.16	295.65	295.16	624.82	616.31	615.81	10
6	A	339.68	331.17	330.68	560.30	551.79	551.29	9
7	F	413.22	404.70	404.21	524.78	516.27	515.78	8
8	L	469.76	461.25	460.75	451.25	442.73	442.24	7
9	E	534.28	525.77	525.27	394.70	386.19	385.70	6
10	N	591.30	582.79	582.30	330.18	321.67	321.18	5
11	V	640.84	632.32	631.83	273.16	264.65	264.16	4
12	D	698.35	689.84	689.34	223.63	215.11	214.62	3
13	R	776.40	767.89	767.39	166.11	157.60	157.11	2
14	R	-	-	-	88.06	79.55	79.06	1

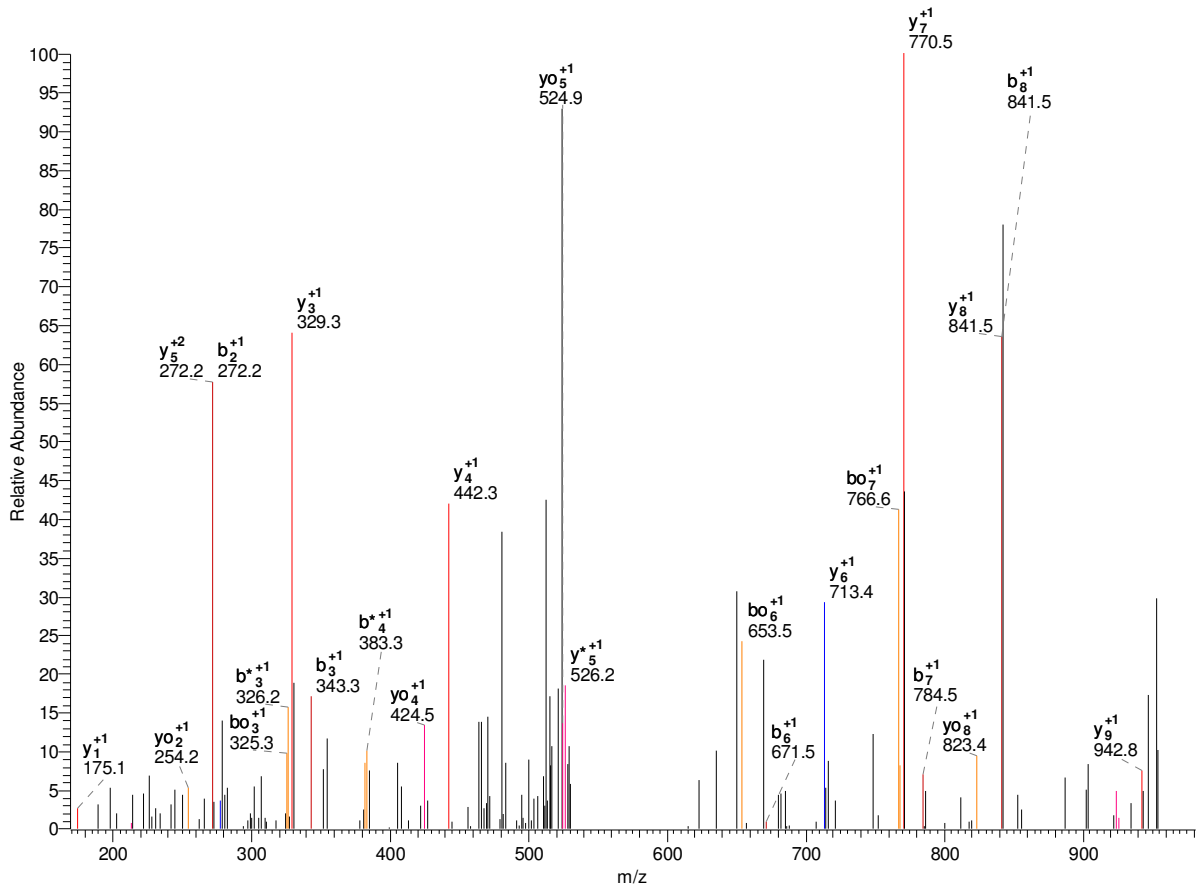
-

		B	B*	B0	Y	Y*	Y0	
1	H	46.69	41.02	40.69	-	-	-	14
2	L	84.39	78.71	78.38	530.29	524.61	524.28	13
3	G	103.40	97.72	97.39	492.59	486.92	486.59	12
4	K*	160.10	154.42	154.09	473.58	467.91	467.58	11
5	E	203.11	197.44	197.11	416.88	411.21	410.88	10

6	A	226.79	221.11	220.79	373.87	368.19	367.86	9
7	F	275.81	270.14	269.81	350.19	344.51	344.19	8
8	L	313.51	307.83	307.50	301.17	295.49	295.16	7
9	E	356.52	350.85	350.52	263.47	257.80	257.47	6
10	N	394.54	388.86	388.53	220.46	214.78	214.45	5
11	V	427.56	421.88	421.56	182.44	176.77	176.44	4
12	D	465.90	460.23	459.90	149.42	143.75	143.42	3
13	R	517.94	512.26	511.93	111.08	105.40	105.07	2
14	R	-	-	-	59.04	53.37	53.04	1

1112.64 -0.01 K.K*TAGK*TLGPR.H psu|PF07_0054 |
organism=Plasmodium_falciparum_3D7 | product=histone h2b, putat

#6153-6153 NL: 5.16E1



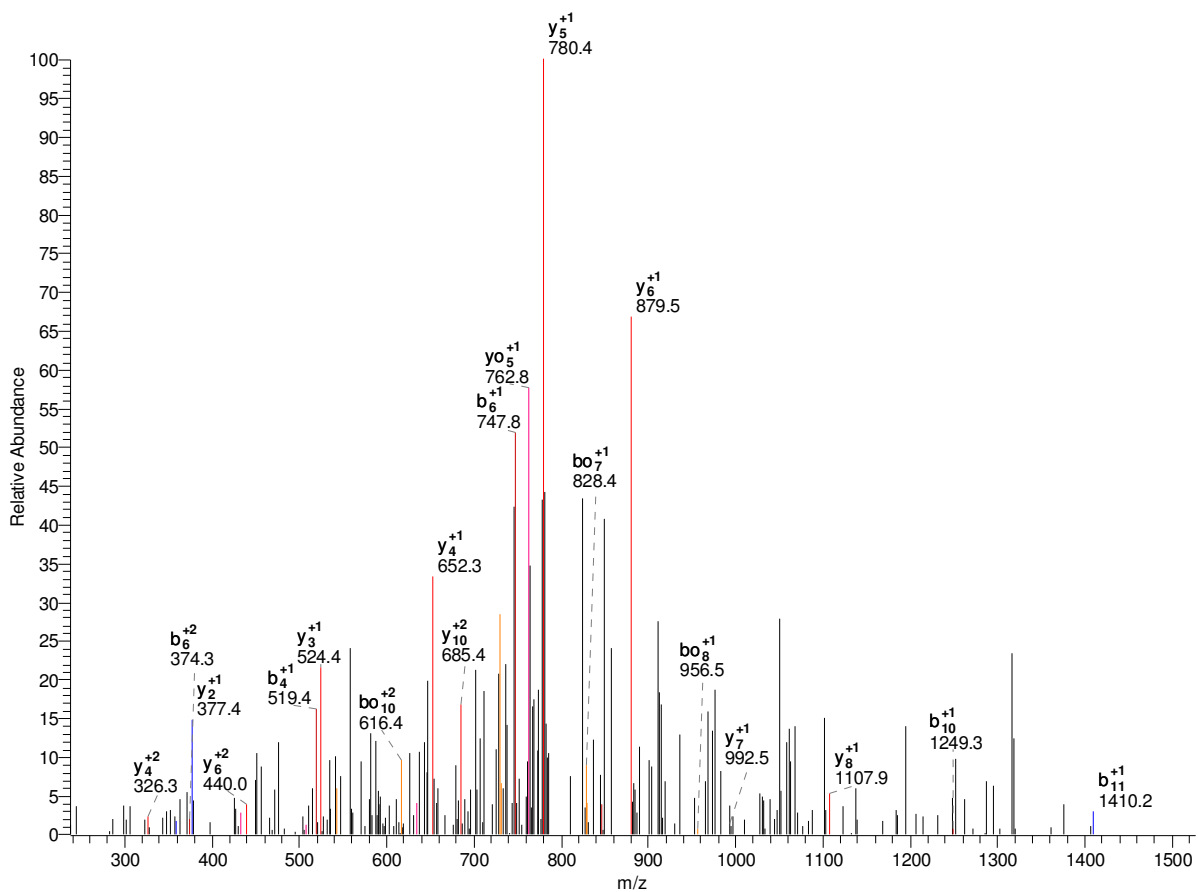
		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	10
2	T	272.16	255.13	254.15	942.54	925.51	924.53	9
3	A	343.20	326.17	325.19	841.49	824.46	823.48	8
4	G	400.22	383.19	382.21	770.45	753.43	752.44	7
5	K*	570.32	553.30	552.31	713.43	696.40	695.42	6
6	T	671.37	654.35	653.36	543.32	526.30	525.31	5
7	L	784.46	767.43	766.45	442.28	425.25	424.27	4
8	G	841.48	824.45	823.47	329.19	312.17	311.18	3
9	P	938.53	921.50	920.52	272.17	255.15	254.16	2
10	R	-	-	-	175.12	158.09	157.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	10
2	T	136.58	128.07	127.58	471.77	463.26	462.77	9
3	A	172.10	163.59	163.10	421.25	412.73	412.24	8
4	G	200.61	192.10	191.61	385.73	377.22	376.72	7
5	K*	285.67	277.15	276.66	357.22	348.71	348.21	6
6	T	336.19	327.68	327.18	272.17	263.65	263.16	5
7	L	392.73	384.22	383.73	221.64	213.13	212.64	4
8	G	421.24	412.73	412.24	165.10	156.59	156.09	3
9	P	469.77	461.26	460.76	136.59	128.08	127.58	2
10	R	-	-	-	88.06	79.55	79.06	1

1625.92 -0.37 K.KKYVDIVKKFC@R*.E psu|MAL7P1.56 |
organism=Plasmodium_falciparum_3D7 | product=erythrocyte membra

#5442-5442 NL: 6.43E1



		B	B*	B0	Y	Y*	Y0	
1	K	129.10	112.08	111.09	-	-	-	12
2	K	257.20	240.17	239.19	1497.82	1480.80	1479.81	11
3	Y	420.26	403.23	402.25	1369.73	1352.70	1351.72	10
4	V	519.33	502.30	501.32	1206.67	1189.64	1188.66	9
5	D	634.36	617.33	616.35	1107.60	1090.57	1089.59	8
6	I	747.44	730.41	729.43	992.57	975.54	974.56	7
7	V	846.51	829.48	828.50	879.49	862.46	861.48	6
8	K	974.60	957.58	956.59	780.42	763.39	762.41	5
9	K	1102.70	1085.67	1084.69	652.32	635.30	634.31	4
10	F	1249.77	1232.74	1231.76	524.23	507.20	506.22	3

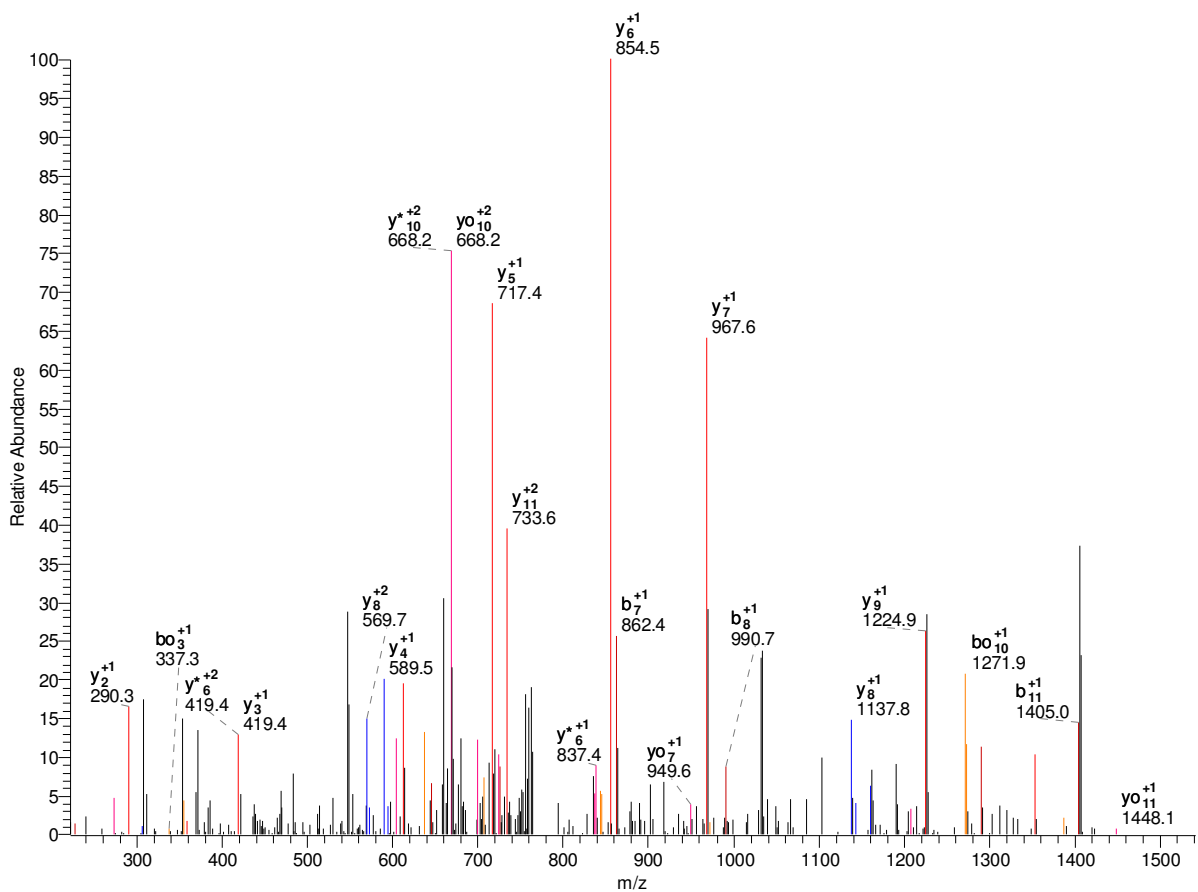
11	C@	1409.80	1392.77	1391.79	377.16	360.13	359.15	2
12	R*	-	-	-	217.13	200.10	199.12	1

-

		B	B*	B0	Y	Y*	Y0	
1	K	65.05	56.54	56.05	-	-	-	12
2	K	129.10	120.59	120.10	749.42	740.90	740.41	11
3	Y	210.63	202.12	201.63	685.37	676.86	676.36	10
4	V	260.17	251.65	251.16	603.84	595.32	594.83	9
5	D	317.68	309.17	308.68	554.30	545.79	545.30	8
6	I	374.22	365.71	365.22	496.79	488.28	487.78	7
7	V	423.76	415.24	414.75	440.25	431.73	431.24	6
8	K	487.81	479.29	478.80	390.71	382.20	381.71	5
9	K	551.85	543.34	542.85	326.67	318.15	317.66	4
10	F	625.39	616.87	616.38	262.62	254.10	253.61	3
11	C@	705.40	696.89	696.40	189.08	180.57	180.08	2
12	R*	-	-	-	109.07	100.56	100.06	1

1578.90 -0.02 R.LLQSK*LHKK*EDR.R psu|PF10_0079 |
organism=Plasmodium_falciparum_3D7 | product=hypothetical prot

#2076-2076 NL: 1.28E2



		B	B*	B0	Y	Y*	Y0	
1	L	114.09	97.06	96.08	-	-	-	12
2	L	227.18	210.15	209.16	1465.81	1448.79	1447.80	11
3	Q	355.23	338.21	337.22	1352.73	1335.70	1334.72	10
4	S	442.27	425.24	424.26	1224.67	1207.64	1206.66	9
5	K*	612.37	595.34	594.36	1137.64	1120.61	1119.63	8
6	L	725.46	708.43	707.45	967.53	950.51	949.52	7
7	H	862.51	845.49	844.50	854.45	837.42	836.44	6
8	K	990.61	973.58	972.60	717.39	700.36	699.38	5
9	K*	1160.72	1143.69	1142.70	589.29	572.27	571.28	4
10	E	1289.76	1272.73	1271.75	419.19	402.16	401.18	3

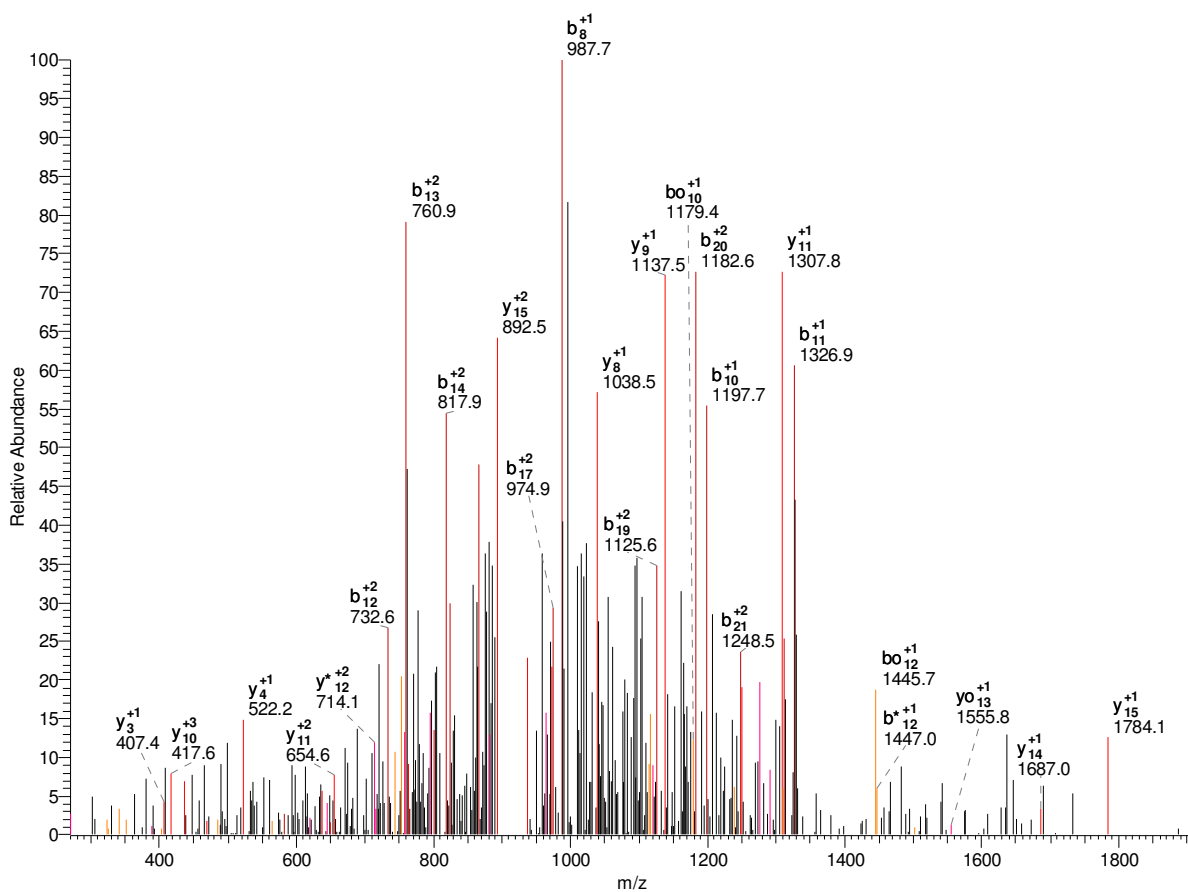
11	D	1404.78	1387.76	1386.77	290.15	273.12	272.14	2
12	R	-	-	-	175.12	158.09	157.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	L	57.55	49.04	48.54	-	-	-	12
2	L	114.09	105.58	105.09	733.41	724.90	724.40	11
3	Q	178.12	169.61	169.12	676.87	668.35	667.86	10
4	S	221.64	213.12	212.63	612.84	604.33	603.83	9
5	K*	306.69	298.18	297.68	569.32	560.81	560.32	8
6	L	363.23	354.72	354.23	484.27	475.76	475.26	7
7	H	431.76	423.25	422.76	427.73	419.21	418.72	6
8	K	495.81	487.30	486.80	359.20	350.68	350.19	5
9	K*	580.86	572.35	571.86	295.15	286.64	286.15	4
10	E	645.38	636.87	636.38	210.10	201.58	201.09	3
11	D	702.90	694.38	693.89	145.58	137.06	136.57	2
12	R	-	-	-	88.06	79.55	79.06	1

2770.42 -0.35 K.R*GILTLKYPPIEHGIVTNWDDMEK.I psu|PFL2215w |
organism=Plasmodium_falciparum_3D7 | product=actin | location=M.

#12390-12390 NL: 7.23E1



		B	B*	B0	Y	Y*	Y0	
1	R*	199.12	182.09	181.11	-	-	-	23
2	G	256.14	239.11	238.13	2572.31	2555.29	2554.30	22
3	I	369.22	352.20	351.21	2515.29	2498.26	2497.28	21
4	L	482.31	465.28	464.30	2402.21	2385.18	2384.20	20
5	T	583.36	566.33	565.35	2289.12	2272.10	2271.11	19
6	L	696.44	679.41	678.43	2188.07	2171.05	2170.06	18
7	K	824.54	807.51	806.52	2074.99	2057.96	2056.98	17
8	Y	987.60	970.57	969.59	1946.90	1929.87	1928.88	16
9	P	1084.65	1067.62	1066.64	1783.83	1766.81	1765.82	15
10	I	1197.74	1180.71	1179.72	1686.78	1669.75	1668.77	14

11	E	1326.78	1309.75	1308.77	1573.70	1556.67	1555.68	13
12	H	1463.84	1446.81	1445.83	1444.65	1427.63	1426.64	12
13	G	1520.86	1503.83	1502.85	1307.59	1290.57	1289.58	11
14	I	1633.94	1616.92	1615.93	1250.57	1233.55	1232.56	10
15	V	1733.01	1715.98	1715.00	1137.49	1120.46	1119.48	9
16	T	1834.06	1817.03	1816.05	1038.42	1021.39	1020.41	8
17	N	1948.10	1931.07	1930.09	937.37	920.35	919.36	7
18	W	2134.18	2117.15	2116.17	823.33	806.30	805.32	6
19	D	2249.21	2232.18	2231.20	637.25	620.22	619.24	5
20	D	2364.23	2347.21	2346.22	522.22	505.20	504.21	4
21	M	2495.28	2478.25	2477.26	407.20	390.17	389.19	3
22	E	2624.32	2607.29	2606.31	276.16	259.13	258.14	2
23	K	-	-	-	147.11	130.09	129.10	1

-

		B	B*	B0	Y	Y*	Y0	
1	R*	100.06	91.55	91.06	-	-	-	23
2	G	128.57	120.06	119.57	1286.66	1278.15	1277.65	22
3	I	185.12	176.60	176.11	1258.15	1249.64	1249.14	21
4	L	241.66	233.14	232.65	1201.61	1193.09	1192.60	20
5	T	292.18	283.67	283.18	1145.06	1136.55	1136.06	19
6	L	348.72	340.21	339.72	1094.54	1086.03	1085.54	18
7	K	412.77	404.26	403.77	1038.00	1029.49	1028.99	17
8	Y	494.30	485.79	485.30	973.95	965.44	964.95	16
9	P	542.83	534.32	533.82	892.42	883.91	883.41	15
10	I	599.37	590.86	590.37	843.89	835.38	834.89	14
11	E	663.89	655.38	654.89	787.35	778.84	778.35	13
12	H	732.42	723.91	723.42	722.83	714.32	713.82	12
13	G	760.93	752.42	751.93	654.30	645.79	645.30	11

14	I	817.47	808.96	808.47	625.79	617.28	616.78	10
15	V	867.01	858.50	858.00	569.25	560.73	560.24	9
16	T	917.53	909.02	908.53	519.71	511.20	510.71	8
17	N	974.55	966.04	965.55	469.19	460.68	460.18	7
18	W	1067.59	1059.08	1058.59	412.17	403.65	403.16	6
19	D	1125.11	1116.59	1116.10	319.13	310.62	310.12	5
20	D	1182.62	1174.11	1173.62	261.62	253.10	252.61	4
21	M	1248.14	1239.63	1239.14	204.10	195.59	195.10	3
22	E	1312.66	1304.15	1303.66	138.58	130.07	129.58	2
23	K	-	-	-	74.06	65.55	65.05	1

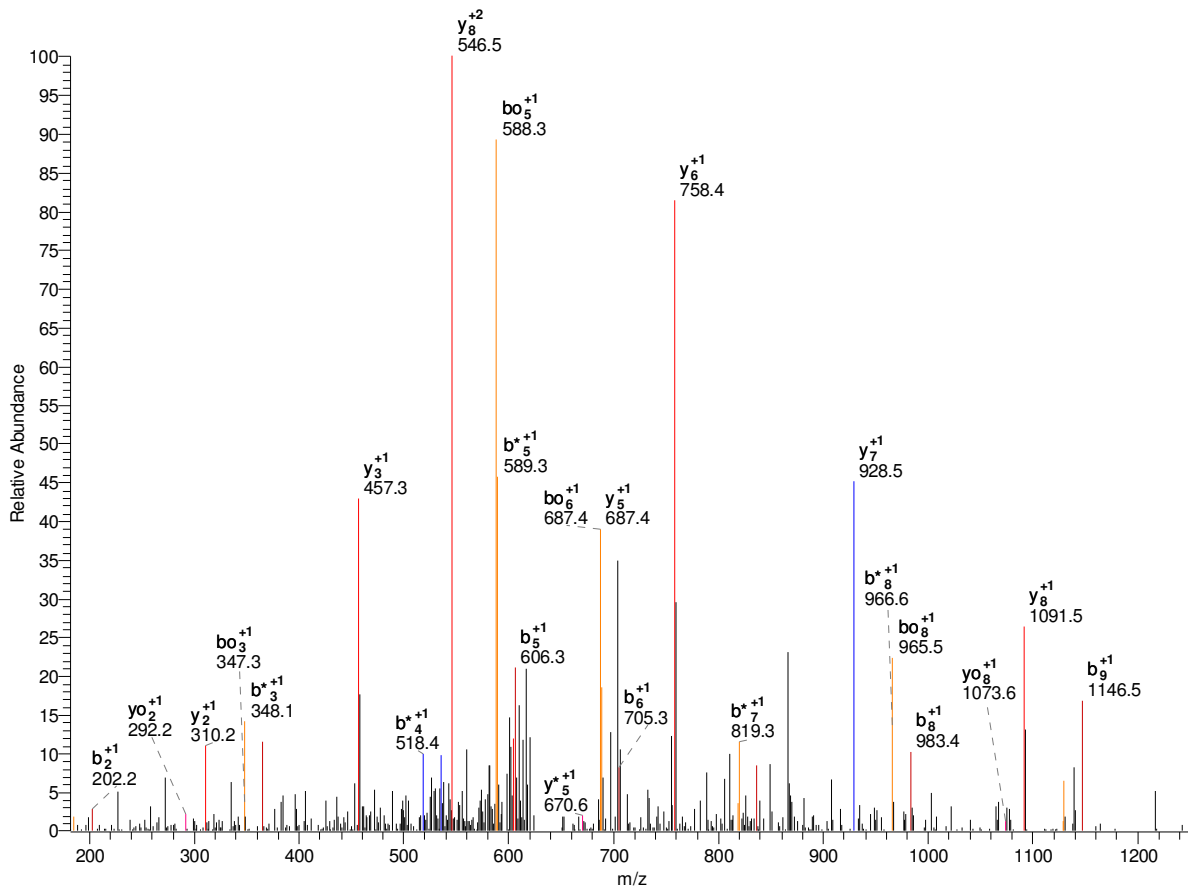
-

		B	B*	B0	Y	Y*	Y0	
1	R*	67.04	61.37	61.04	-	-	-	23
2	G	86.05	80.38	80.05	858.11	852.43	852.11	22
3	I	123.75	118.07	117.74	839.10	833.43	833.10	21
4	L	161.44	155.77	155.44	801.41	795.73	795.40	20
5	T	195.12	189.45	189.12	763.71	758.04	757.71	19
6	L	232.82	227.14	226.81	730.03	724.35	724.03	18
7	K	275.52	269.84	269.51	692.33	686.66	686.33	17
8	Y	329.87	324.20	323.87	649.64	643.96	643.63	16
9	P	362.22	356.55	356.22	595.28	589.61	589.28	15
10	I	399.92	394.24	393.91	562.93	557.26	556.93	14
11	E	442.93	437.26	436.93	525.24	519.56	519.23	13
12	H	488.62	482.94	482.61	482.22	476.55	476.22	12
13	G	507.62	501.95	501.62	436.54	430.86	430.53	11
14	I	545.32	539.64	539.32	417.53	411.85	411.53	10
15	V	578.34	572.67	572.34	379.83	374.16	373.83	9
16	T	612.02	606.35	606.02	346.81	341.14	340.81	8

17	N	650.04	644.36	644.04	313.13	307.45	307.13	7
18	W	712.07	706.39	706.06	275.11	269.44	269.11	6
19	D	750.41	744.73	744.40	213.09	207.41	207.08	5
20	D	788.75	783.07	782.75	174.75	169.07	168.74	4
21	M	832.43	826.75	826.43	136.40	130.73	130.40	3
22	E	875.44	869.77	869.44	92.72	87.05	86.72	2
23	K	-	-	-	49.71	44.03	43.71	1

1292.63 -0.00 K.SNYK*AVMFYK.N psu|PF13_0131 |
organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

#6757-6757 NL: 2.53E2



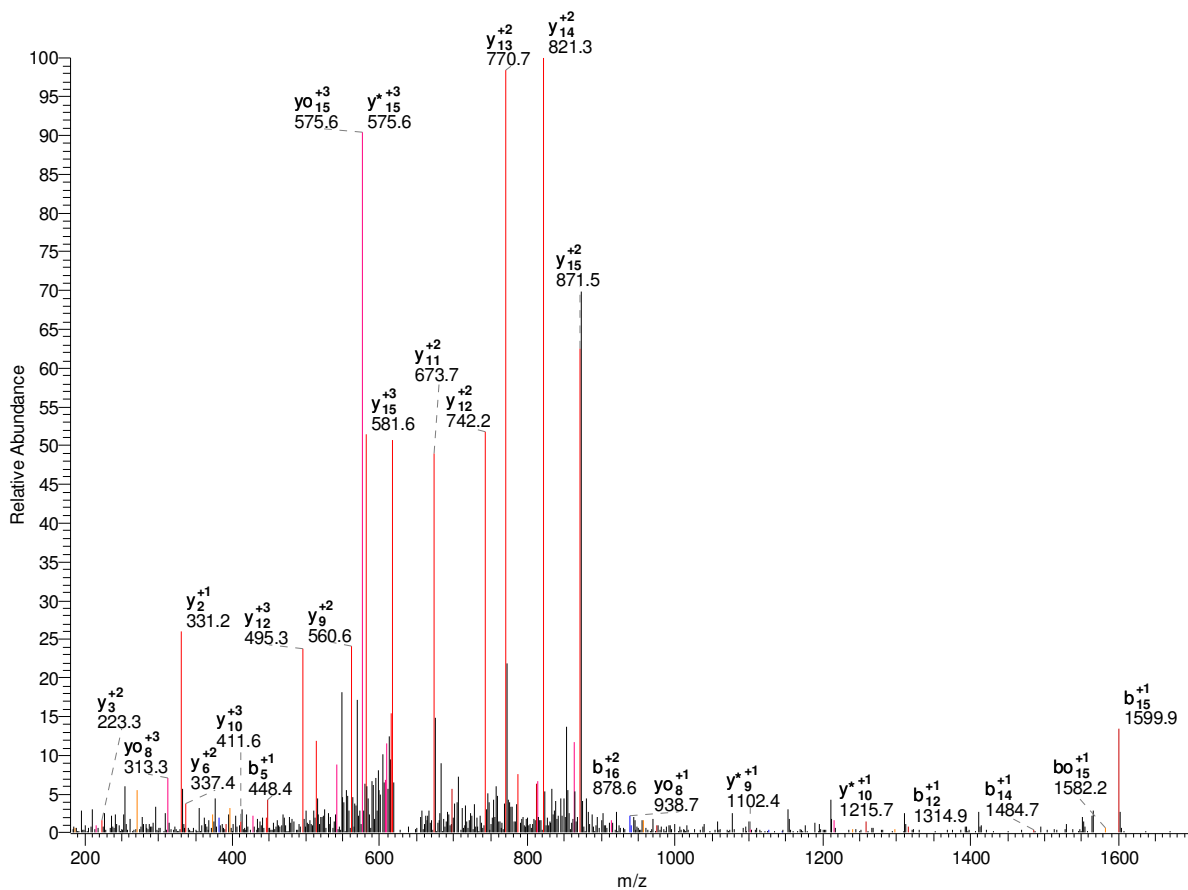
		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	10
2	N	202.08	185.06	184.07	1205.60	1188.58	1187.59	9
3	Y	365.15	348.12	347.13	1091.56	1074.53	1073.55	8
4	K*	535.25	518.22	517.24	928.50	911.47	910.49	7
5	A	606.29	589.26	588.28	758.39	741.36	740.38	6
6	V	705.36	688.33	687.35	687.35	670.33	669.34	5
7	M	836.40	819.37	818.39	588.29	571.26	570.27	4
8	F	983.47	966.44	965.45	457.24	440.22	439.23	3
9	Y	1146.53	1129.50	1128.52	310.18	293.15	292.17	2
10	K	-	-	-	147.11	130.09	129.10	1

-

		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	10
2	N	101.54	93.03	92.54	603.30	594.79	594.30	9
3	Y	183.08	174.56	174.07	546.28	537.77	537.28	8
4	K*	268.13	259.62	259.12	464.75	456.24	455.75	7
5	A	303.65	295.13	294.64	379.70	371.19	370.69	6
6	V	353.18	344.67	344.18	344.18	335.67	335.18	5
7	M	418.70	410.19	409.70	294.65	286.13	285.64	4
8	F	492.24	483.72	483.23	229.13	220.61	220.12	3
9	Y	573.77	565.25	564.76	155.59	147.08	146.59	2
10	K	-	-	-	74.06	65.55	65.05	1

1930.05 0.18K.STTGHIIYK*LGGIDRR.T psu|PF13_0305 |
organism=Plasmodium_falciparum_3D7 | product=elongation factor

#6481-6481 NL: 6.12E2



		B	B*	B0	Y	Y*	Y0	
1	S	88.04	71.01	70.03	-	-	-	17
2	T	189.09	172.06	171.08	1843.02	1825.99	1825.01	16
3	T	290.13	273.11	272.12	1741.97	1724.94	1723.96	15
4	T	391.18	374.16	373.17	1640.92	1623.90	1622.91	14
5	G	448.20	431.18	430.19	1539.88	1522.85	1521.86	13
6	H	585.26	568.24	567.25	1482.85	1465.83	1464.84	12
7	I	698.35	681.32	680.34	1345.80	1328.77	1327.78	11
8	I	811.43	794.40	793.42	1232.71	1215.68	1214.70	10
9	Y	974.49	957.47	956.48	1119.63	1102.60	1101.62	9
10	K*	1144.60	1127.57	1126.59	956.56	939.54	938.55	8

11	L	1257.68	1240.66	1239.67	786.46	769.43	768.45	7
12	G	1314.71	1297.68	1296.69	673.37	656.35	655.36	6
13	G	1371.73	1354.70	1353.72	616.35	599.33	598.34	5
14	I	1484.81	1467.78	1466.80	559.33	542.30	541.32	4
15	D	1599.84	1582.81	1581.83	446.25	429.22	428.24	3
16	R	1755.94	1738.91	1737.93	331.22	314.19	313.21	2
17	R	-	-	-	175.12	158.09	157.11	1

-

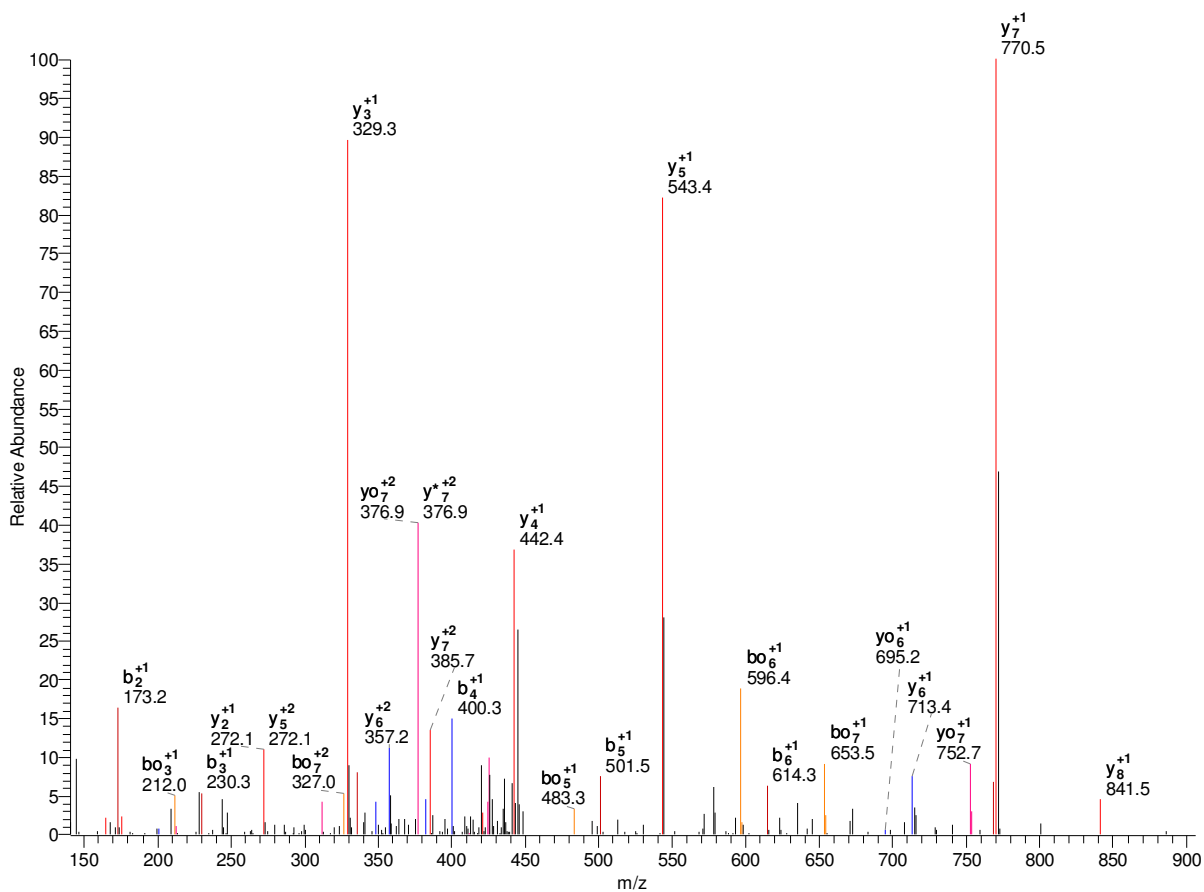
		B	B*	B0	Y	Y*	Y0	
1	S	44.52	36.01	35.52	-	-	-	17
2	T	95.05	86.53	86.04	922.01	913.50	913.01	16
3	T	145.57	137.06	136.57	871.49	862.98	862.48	15
4	T	196.09	187.58	187.09	820.97	812.45	811.96	14
5	G	224.61	216.09	215.60	770.44	761.93	761.44	13
6	H	293.13	284.62	284.13	741.93	733.42	732.93	12
7	I	349.68	341.16	340.67	673.40	664.89	664.40	11
8	I	406.22	397.71	397.21	616.86	608.35	607.85	10
9	Y	487.75	479.24	478.75	560.32	551.80	551.31	9
10	K*	572.80	564.29	563.80	478.79	470.27	469.78	8
11	L	629.35	620.83	620.34	393.73	385.22	384.73	7
12	G	657.86	649.34	648.85	337.19	328.68	328.19	6
13	G	686.37	677.85	677.36	308.68	300.17	299.67	5
14	I	742.91	734.40	733.90	280.17	271.66	271.16	4
15	D	800.42	791.91	791.42	223.63	215.11	214.62	3
16	R	878.47	869.96	869.47	166.11	157.60	157.11	2
17	R	-	-	-	88.06	79.55	79.06	1

-

		B	B*	B0	Y	Y*	Y0	
1	S	30.02	24.34	24.01	-	-	-	17
2	T	63.70	58.02	57.70	615.01	609.34	609.01	16
3	T	97.38	91.71	91.38	581.33	575.65	575.32	15
4	T	131.07	125.39	125.06	547.65	541.97	541.64	14
5	G	150.07	144.40	144.07	513.96	508.29	507.96	13
6	H	195.76	190.08	189.76	494.96	489.28	488.95	12
7	I	233.45	227.78	227.45	449.27	443.59	443.27	11
8	I	271.15	265.47	265.14	411.58	405.90	405.57	10
9	Y	325.50	319.83	319.50	373.88	368.20	367.88	9
10	K*	382.20	376.53	376.20	319.53	313.85	313.52	8
11	L	419.90	414.22	413.90	262.82	257.15	256.82	7
12	G	438.91	433.23	432.90	225.13	219.45	219.13	6
13	G	457.91	452.24	451.91	206.12	200.45	200.12	5
14	I	495.61	489.93	489.60	187.12	181.44	181.11	4
15	D	533.95	528.28	527.95	149.42	143.75	143.42	3
16	R	585.98	580.31	579.98	111.08	105.40	105.07	2
17	R	-	-	-	59.04	53.37	53.04	1

942.54 -0.03 K.TAGK*TLGPR.H psu|PF07_0054 |
organism=Plasmodium_falciparum_3D7 | product=histone h2b, putat

#897-897 NL: 2.11E2



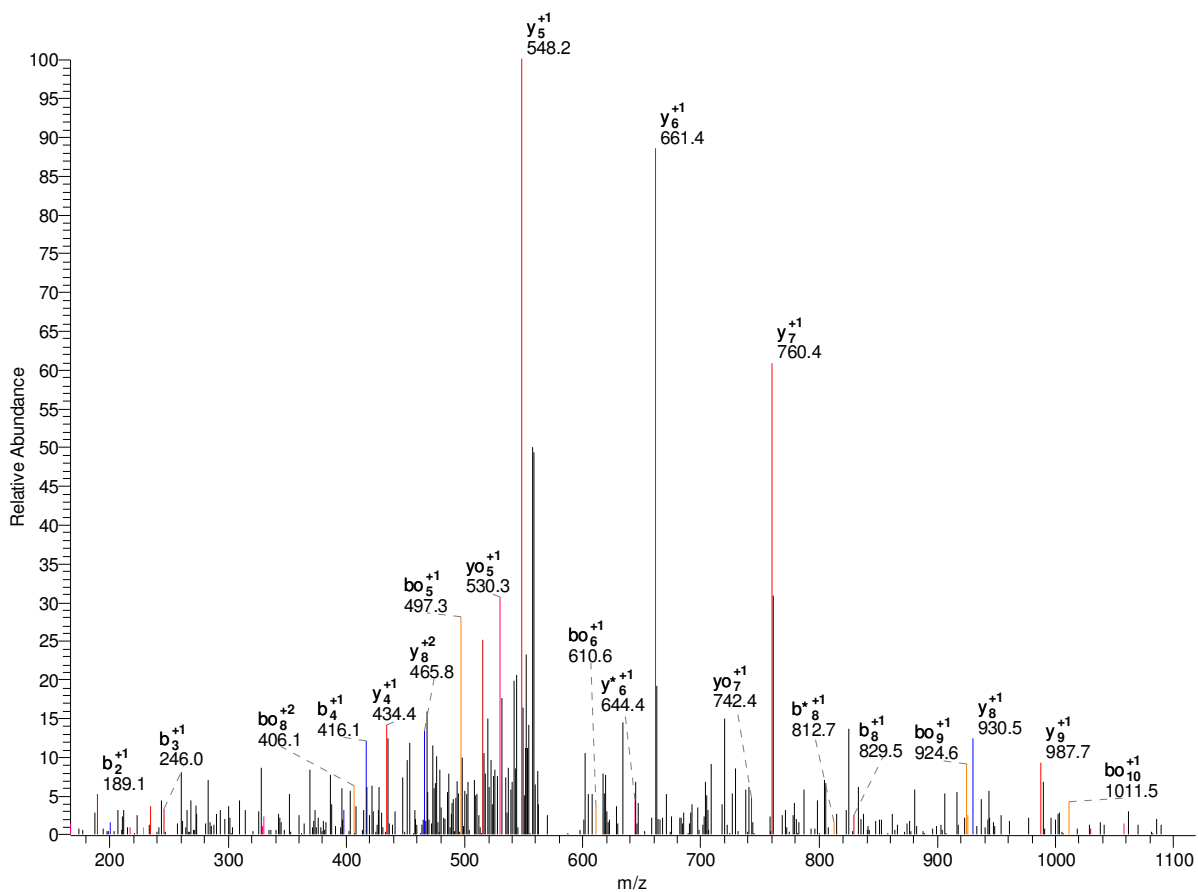
		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	9
2	A	173.09	156.07	155.08	841.49	824.46	823.48	8
3	G	230.11	213.09	212.10	770.45	753.43	752.44	7
4	K*	400.22	383.19	382.21	713.43	696.40	695.42	6
5	T	501.27	484.24	483.26	543.32	526.30	525.31	5
6	L	614.35	597.32	596.34	442.28	425.25	424.27	4
7	G	671.37	654.35	653.36	329.19	312.17	311.18	3
8	P	768.43	751.40	750.41	272.17	255.15	254.16	2
9	R	-	-	-	175.12	158.09	157.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	9
2	A	87.05	78.54	78.04	421.25	412.73	412.24	8
3	G	115.56	107.05	106.56	385.73	377.22	376.72	7
4	K*	200.61	192.10	191.61	357.22	348.71	348.21	6
5	T	251.14	242.62	242.13	272.17	263.65	263.16	5
6	L	307.68	299.17	298.67	221.64	213.13	212.64	4
7	G	336.19	327.68	327.18	165.10	156.59	156.09	3
8	P	384.72	376.20	375.71	136.59	128.08	127.58	2
9	R	-	-	-	88.06	79.55	79.06	1

1175.66 -0.11 R.TSGK*VINSLSK.Y psu|PF11_0192 |
organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

#2102-2102 NL: 1.17E2



		B	B*	B0	Y	Y*	Y0	
1	T	102.05	85.03	84.04	-	-	-	11
2	S	189.09	172.06	171.08	1074.62	1057.59	1056.60	10
3	G	246.11	229.08	228.10	987.58	970.56	969.57	9
4	K*	416.21	399.19	398.20	930.56	913.54	912.55	8
5	V	515.28	498.26	497.27	760.46	743.43	742.45	7
6	I	628.37	611.34	610.36	661.39	644.36	643.38	6
7	N	742.41	725.38	724.40	548.30	531.28	530.29	5
8	S	829.44	812.41	811.43	434.26	417.23	416.25	4
9	L	942.53	925.50	924.51	347.23	330.20	329.22	3
10	S	1029.56	1012.53	1011.55	234.14	217.12	216.13	2

11	K	-	-	-	147.11	130.09	129.10	1
----	---	---	---	---	--------	--------	--------	---

-

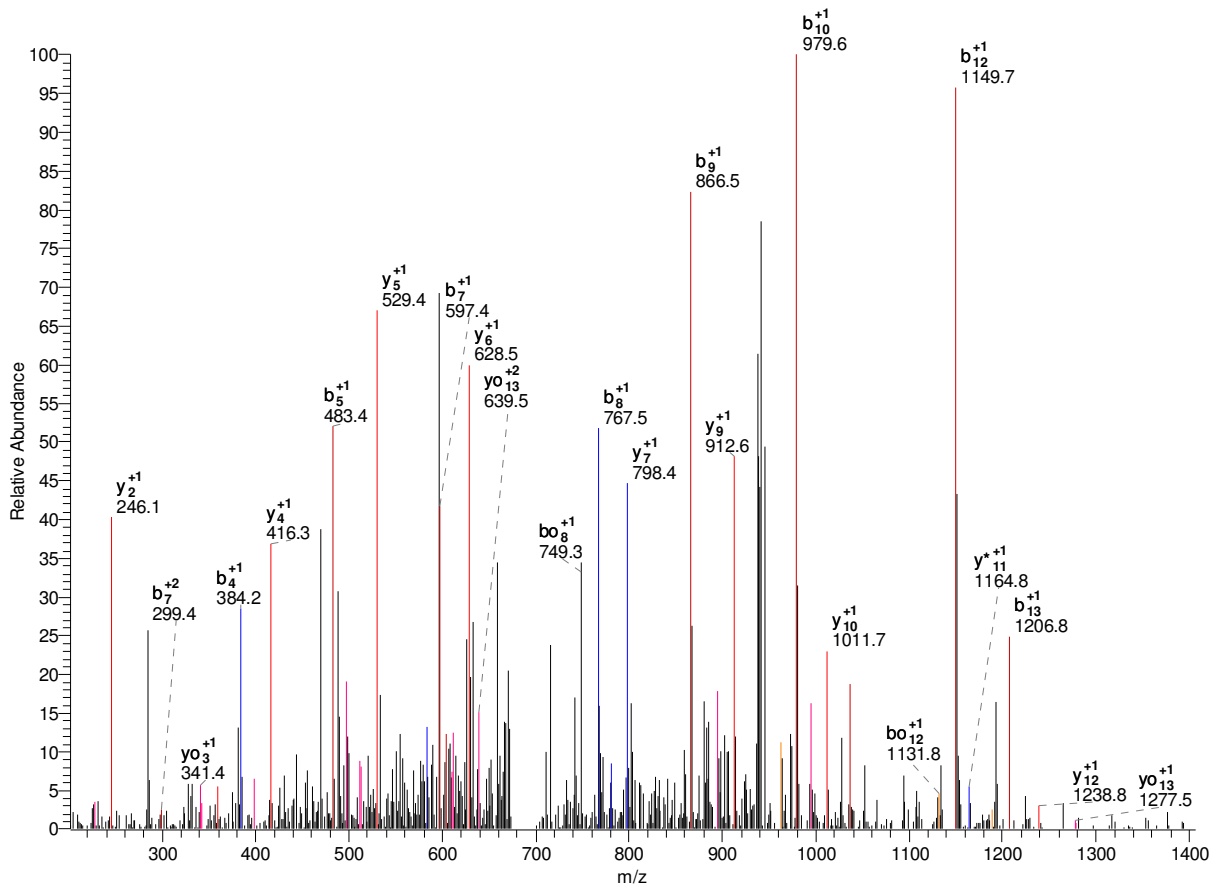
		B	B*	B0	Y	Y*	Y0	
1	T	51.53	43.02	42.53	-	-	-	11
2	S	95.05	86.53	86.04	537.81	529.30	528.81	10
3	G	123.56	115.04	114.55	494.30	485.78	485.29	9
4	K*	208.61	200.10	199.61	465.78	457.27	456.78	8
5	V	258.14	249.63	249.14	380.73	372.22	371.73	7
6	I	314.69	306.17	305.68	331.20	322.68	322.19	6
7	N	371.71	363.20	362.70	274.66	266.14	265.65	5
8	S	415.22	406.71	406.22	217.63	209.12	208.63	4
9	L	471.77	463.25	462.76	174.12	165.60	165.11	3
10	S	515.28	506.77	506.28	117.58	109.06	108.57	2
11	K	-	-	-	74.06	65.55	65.05	1

999.54 -0.11 K.VFFNFK*R.K psu|PF14_0315 |
organism=Plasmodium_falciparum_3D7 | product=hypothetical prote

1	V	50.54	42.03	41.54	-	-	-	7
2	F	124.08	115.56	115.07	450.74	442.23	441.73	6
3	F	197.61	189.10	188.60	377.21	368.69	368.20	5
4	N	254.63	246.12	245.63	303.67	295.16	294.67	4
5	F	328.17	319.65	319.16	246.65	238.14	237.64	3
6	K*	413.22	404.71	404.21	173.12	164.60	164.11	2
7	R	-	-	-	88.06	79.55	79.06	1

1394.84 -0.24 K.VGGK*VGGK*VLGLGK*.G psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant

#7091-7091 NL: 8.38E2



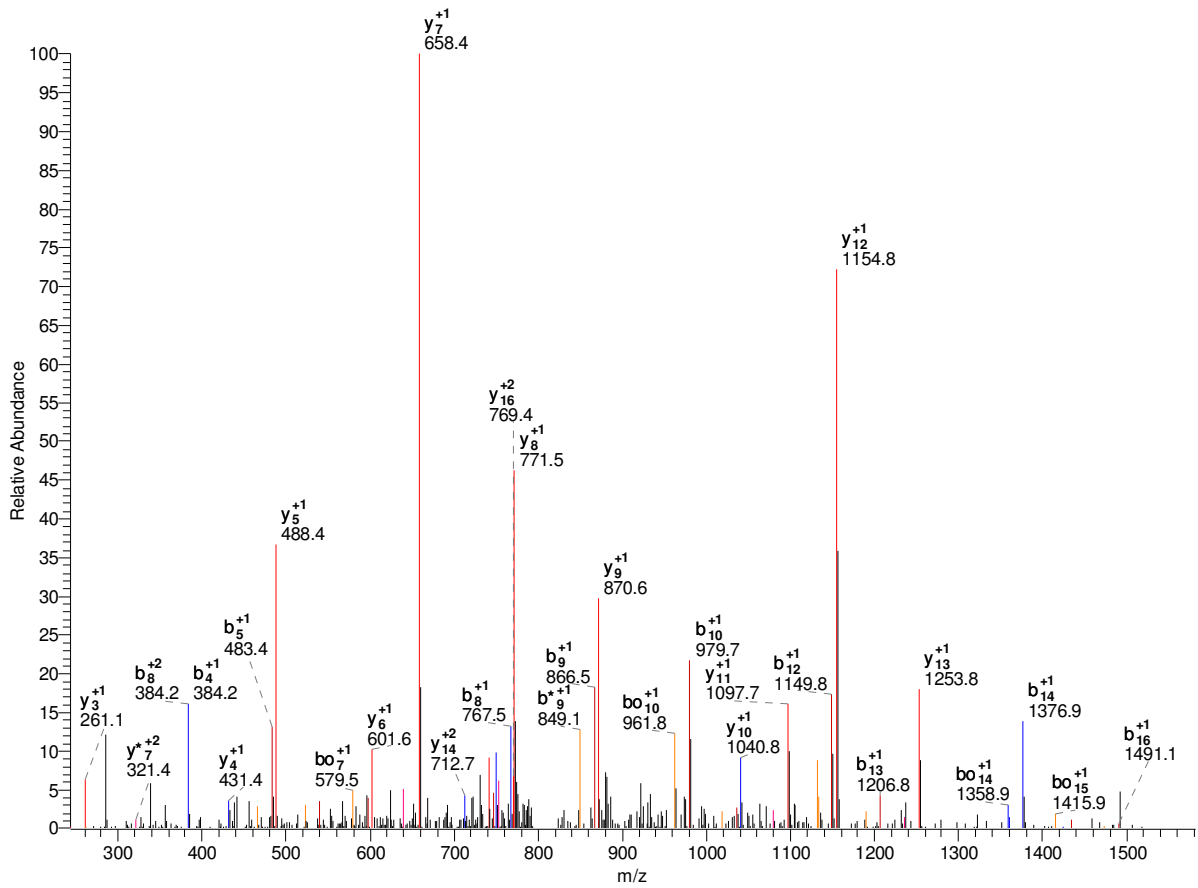
		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	14
2	G	157.10	140.07	139.09	1295.77	1278.74	1277.76	13
3	G	214.12	197.09	196.11	1238.75	1221.72	1220.74	12
4	K*	384.22	367.20	366.21	1181.73	1164.70	1163.71	11
5	V	483.29	466.27	465.28	1011.62	994.59	993.61	10
6	G	540.31	523.29	522.30	912.55	895.52	894.54	9
7	G	597.34	580.31	579.32	855.53	838.50	837.52	8
8	K*	767.44	750.41	749.43	798.51	781.48	780.50	7
9	V	866.51	849.48	848.50	628.40	611.38	610.39	6
10	L	979.59	962.57	961.58	529.33	512.31	511.32	5
11	G	1036.61	1019.59	1018.60	416.25	399.22	398.24	4
12	L	1149.70	1132.67	1131.69	359.23	342.20	341.22	3
13	G	1206.72	1189.69	1188.71	246.14	229.12	228.13	2
14	K*	-	-	-	189.12	172.10	171.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	14
2	G	79.05	70.54	70.05	648.39	639.87	639.38	13
3	G	107.56	99.05	98.56	619.88	611.36	610.87	12
4	K*	192.62	184.10	183.61	591.37	582.85	582.36	11
5	V	242.15	233.64	233.14	506.31	497.80	497.31	10
6	G	270.66	262.15	261.66	456.78	448.27	447.77	9
7	G	299.17	290.66	290.17	428.27	419.76	419.26	8
8	K*	384.22	375.71	375.22	399.76	391.24	390.75	7
9	V	433.76	425.25	424.75	314.71	306.19	305.70	6
10	L	490.30	481.79	481.30	265.17	256.66	256.17	5
11	G	518.81	510.30	509.81	208.63	200.12	199.62	4

12	L	575.35	566.84	566.35	180.12	171.60	171.11	3
13	G	603.86	595.35	594.86	123.58	115.06	114.57	2
14	K*	-	-	-	95.07	86.55	86.06	1

1636.97 0.02 K.VGGK*VGGK*VLGLGK*GGK.G psu|PFC0920w |
organism=Plasmodium_falciparum_3D7 | product=histone H2A variant
#7191-7191 NL: 4.91E2



		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	17
2	G	157.10	140.07	139.09	1537.91	1520.88	1519.90	16
3	G	214.12	197.09	196.11	1480.88	1463.86	1462.87	15
4	K*	384.22	367.20	366.21	1423.86	1406.84	1405.85	14

5	V	483.29	466.27	465.28	1253.76	1236.73	1235.75	13
6	G	540.31	523.29	522.30	1154.69	1137.66	1136.68	12
7	G	597.34	580.31	579.32	1097.67	1080.64	1079.66	11
8	K*	767.44	750.41	749.43	1040.65	1023.62	1022.64	10
9	V	866.51	849.48	848.50	870.54	853.51	852.53	9
10	L	979.59	962.57	961.58	771.47	754.45	753.46	8
11	G	1036.61	1019.59	1018.60	658.39	641.36	640.38	7
12	L	1149.70	1132.67	1131.69	601.37	584.34	583.36	6
13	G	1206.72	1189.69	1188.71	488.28	471.26	470.27	5
14	K*	1376.83	1359.80	1358.82	431.26	414.23	413.25	4
15	G	1433.85	1416.82	1415.84	261.16	244.13	243.15	3
16	G	1490.87	1473.84	1472.86	204.13	187.11	186.12	2
17	K	-	-	-	147.11	130.09	129.10	1

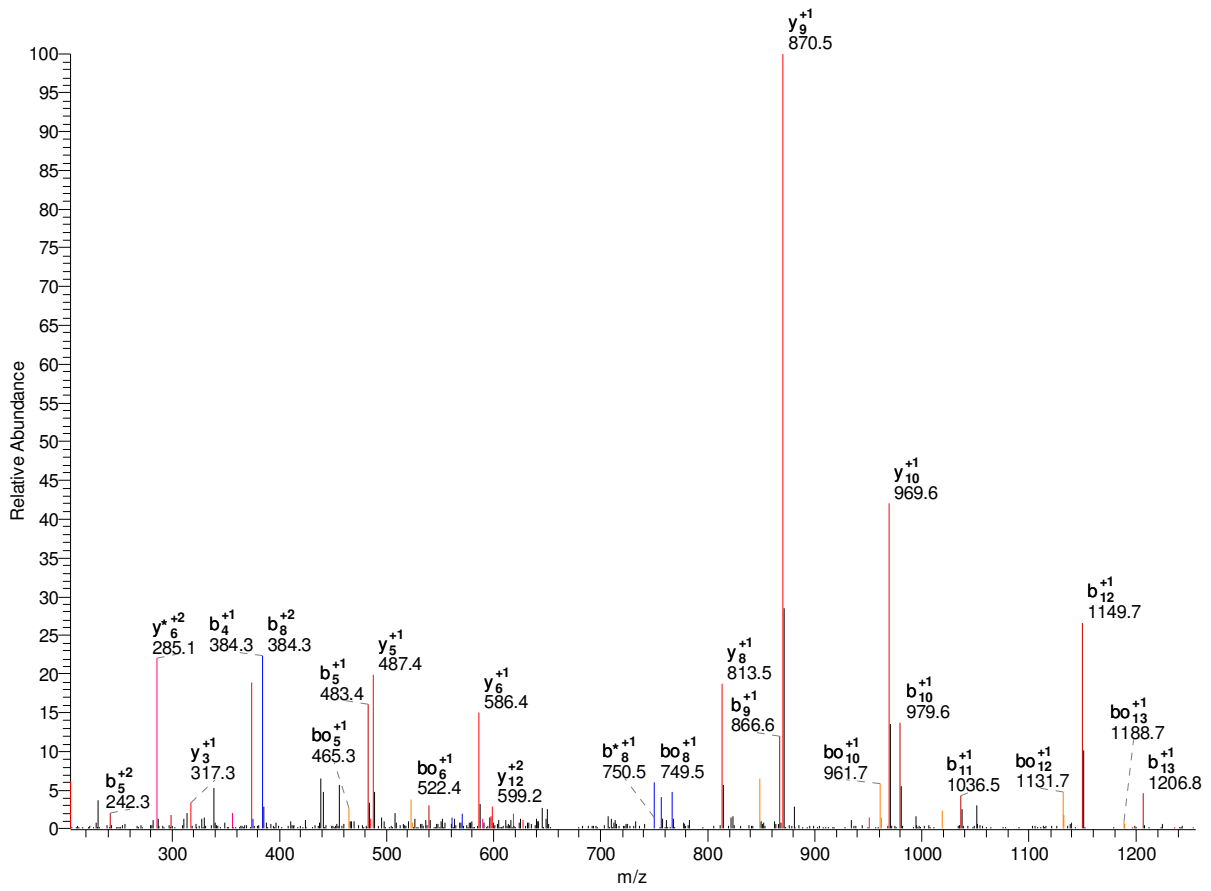
-

		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	17
2	G	79.05	70.54	70.05	769.46	760.94	760.45	16
3	G	107.56	99.05	98.56	740.95	732.43	731.94	15
4	K*	192.62	184.10	183.61	712.44	703.92	703.43	14
5	V	242.15	233.64	233.14	627.38	618.87	618.38	13
6	G	270.66	262.15	261.66	577.85	569.33	568.84	12
7	G	299.17	290.66	290.17	549.34	540.82	540.33	11
8	K*	384.22	375.71	375.22	520.83	512.31	511.82	10
9	V	433.76	425.25	424.75	435.77	427.26	426.77	9
10	L	490.30	481.79	481.30	386.24	377.73	377.23	8
11	G	518.81	510.30	509.81	329.70	321.18	320.69	7
12	L	575.35	566.84	566.35	301.19	292.67	292.18	6
13	G	603.86	595.35	594.86	244.65	236.13	235.64	5

14	K*	688.92	680.40	679.91	216.13	207.62	207.13	4
15	G	717.43	708.91	708.42	131.08	122.57	122.08	3
16	G	745.94	737.42	736.93	102.57	94.06	93.57	2
17	K	-	-	-	74.06	65.55	65.05	1

1352.83 0.01 K.VGGK*VGGK*VLGLGK.G psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant

#5781-5781 NL: 1.34E3



		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	14
2	G	157.10	140.07	139.09	1253.76	1236.73	1235.75	13

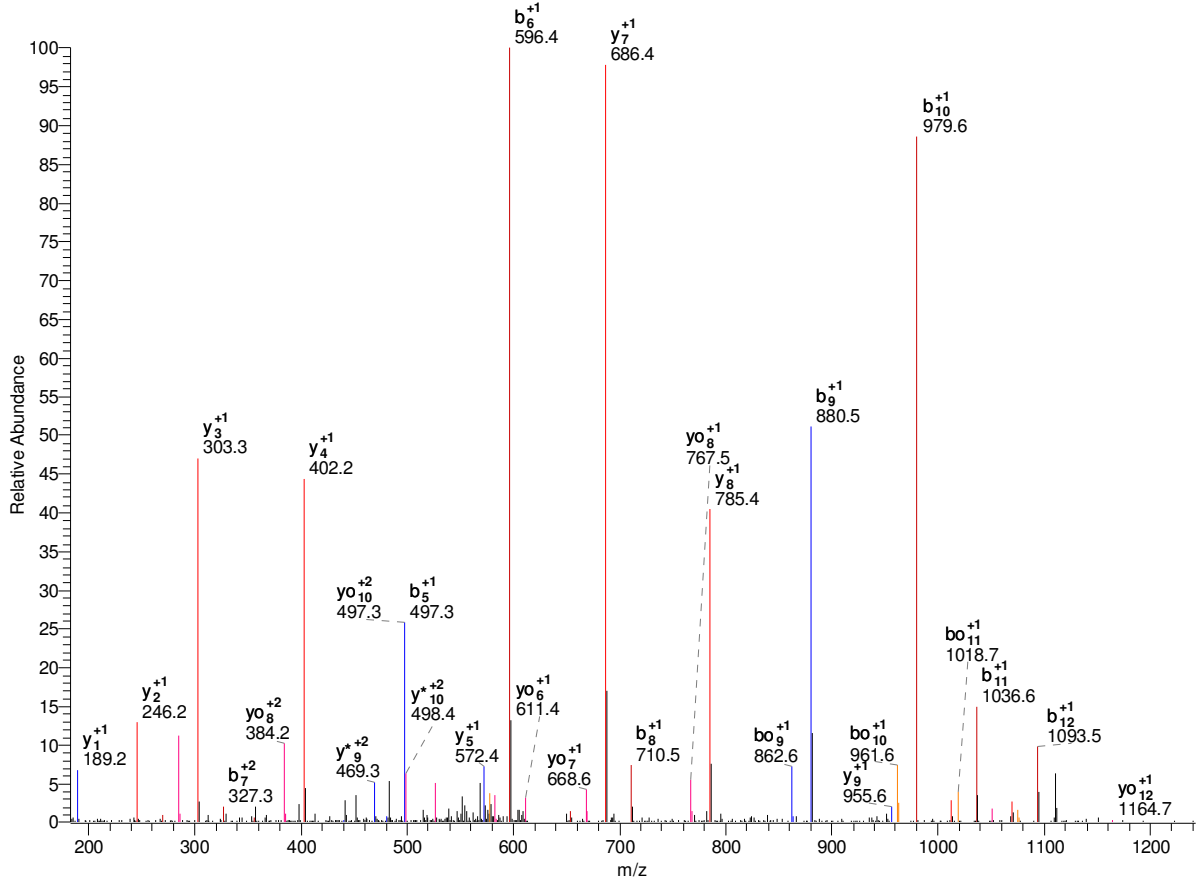
3	G	214.12	197.09	196.11	1196.74	1179.71	1178.73	12
4	K*	384.22	367.20	366.21	1139.71	1122.69	1121.70	11
5	V	483.29	466.27	465.28	969.61	952.58	951.60	10
6	G	540.31	523.29	522.30	870.54	853.51	852.53	9
7	G	597.34	580.31	579.32	813.52	796.49	795.51	8
8	K*	767.44	750.41	749.43	756.50	739.47	738.49	7
9	V	866.51	849.48	848.50	586.39	569.37	568.38	6
10	L	979.59	962.57	961.58	487.32	470.30	469.31	5
11	G	1036.61	1019.59	1018.60	374.24	357.21	356.23	4
12	L	1149.70	1132.67	1131.69	317.22	300.19	299.21	3
13	G	1206.72	1189.69	1188.71	204.13	187.11	186.12	2
14	K	-	-	-	147.11	130.09	129.10	1

-

		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	14
2	G	79.05	70.54	70.05	627.38	618.87	618.38	13
3	G	107.56	99.05	98.56	598.87	590.36	589.87	12
4	K*	192.62	184.10	183.61	570.36	561.85	561.36	11
5	V	242.15	233.64	233.14	485.31	476.79	476.30	10
6	G	270.66	262.15	261.66	435.77	427.26	426.77	9
7	G	299.17	290.66	290.17	407.26	398.75	398.26	8
8	K*	384.22	375.71	375.22	378.75	370.24	369.75	7
9	V	433.76	425.25	424.75	293.70	285.19	284.69	6
10	L	490.30	481.79	481.30	244.17	235.65	235.16	5
11	G	518.81	510.30	509.81	187.62	179.11	178.62	4
12	L	575.35	566.84	566.35	159.11	150.60	150.11	3
13	G	603.86	595.35	594.86	102.57	94.06	93.57	2
14	K	-	-	-	74.06	65.55	65.05	1

1281.75 -0.04 K.VIGGK*VGGK*VGGK*.V psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant

#3607-3607 NL: 4.11E3

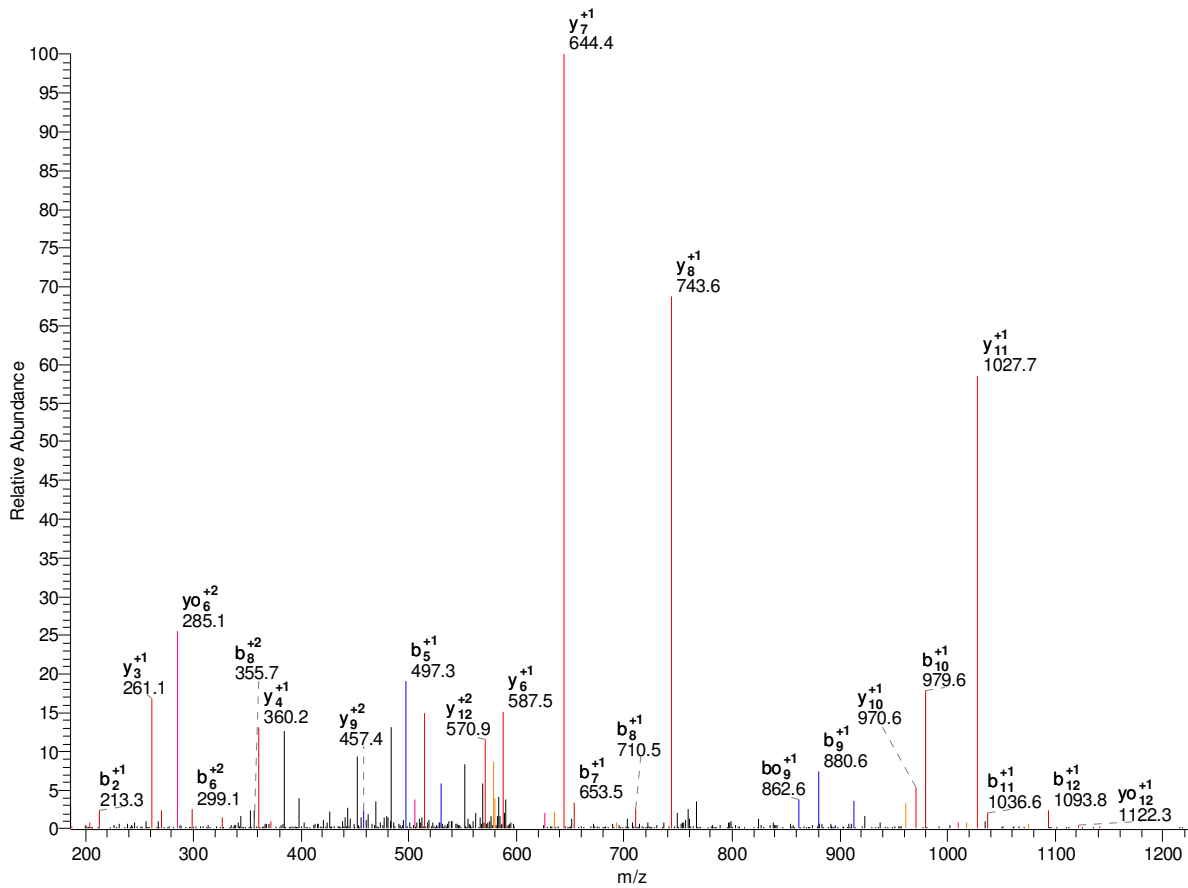


		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	13
2	I	107.08	98.57	98.08	591.85	583.33	582.84	12
3	G	135.59	127.08	126.59	535.30	526.79	526.30	11
4	G	164.10	155.59	155.10	506.79	498.28	497.79	10
5	K*	249.16	240.64	240.15	478.28	469.77	469.28	9
6	V	298.69	290.18	289.69	393.23	384.72	384.22	8
7	G	327.20	318.69	318.20	343.70	335.18	334.69	7
8	G	355.71	347.20	346.71	315.18	306.67	306.18	6

9	K*	440.77	432.25	431.76	286.67	278.16	277.67	5
10	V	490.30	481.79	481.30	201.62	193.11	192.62	4
11	G	518.81	510.30	509.81	152.09	143.57	143.08	3
12	G	547.32	538.81	538.32	123.58	115.06	114.57	2
13	K*	-	-	-	95.07	86.55	86.06	1

1239.74 -0.03 K.VIGGK*VGGK*VGGK.V psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A variant

#2170-2170 NL: 1.42E3



		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	13

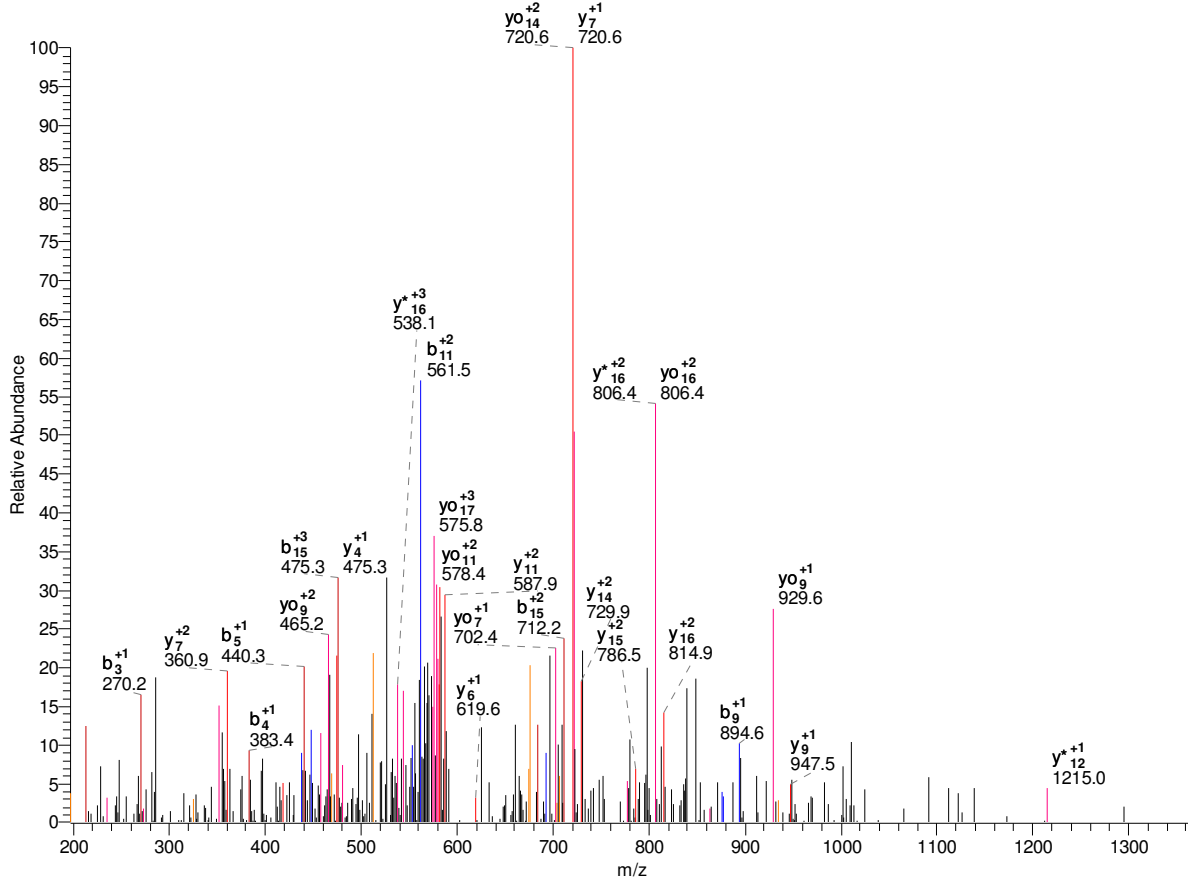
2	I	213.16	196.13	195.15	1140.67	1123.65	1122.66	12
3	G	270.18	253.15	252.17	1027.59	1010.56	1009.58	11
4	G	327.20	310.18	309.19	970.57	953.54	952.56	10
5	K*	497.31	480.28	479.30	913.55	896.52	895.54	9
6	V	596.38	579.35	578.37	743.44	726.41	725.43	8
7	G	653.40	636.37	635.39	644.37	627.35	626.36	7
8	G	710.42	693.39	692.41	587.35	570.32	569.34	6
9	K*	880.53	863.50	862.51	530.33	513.30	512.32	5
10	V	979.59	962.57	961.58	360.22	343.20	342.21	4
11	G	1036.61	1019.59	1018.60	261.16	244.13	243.15	3
12	G	1093.64	1076.61	1075.63	204.13	187.11	186.12	2
13	K	-	-	-	147.11	130.09	129.10	1

-

		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	13
2	I	107.08	98.57	98.08	570.84	562.33	561.84	12
3	G	135.59	127.08	126.59	514.30	505.79	505.29	11
4	G	164.10	155.59	155.10	485.79	477.27	476.78	10
5	K*	249.16	240.64	240.15	457.28	448.76	448.27	9
6	V	298.69	290.18	289.69	372.22	363.71	363.22	8
7	G	327.20	318.69	318.20	322.69	314.18	313.68	7
8	G	355.71	347.20	346.71	294.18	285.67	285.17	6
9	K*	440.77	432.25	431.76	265.67	257.16	256.66	5
10	V	490.30	481.79	481.30	180.62	172.10	171.61	4
11	G	518.81	510.30	509.81	131.08	122.57	122.08	3
12	G	547.32	538.81	538.32	102.57	94.06	93.57	2
13	K	-	-	-	74.06	65.55	65.05	1

1841.05 -0.05 K.VLGLGK*GGK*GK*TGSGKTK*.K psu|PFC0920w |
 organism=Plasmodium_falciparum_3D7 | product=histone H2A varian

#4873-4873 NL: 1.08E2



		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	18
2	L	213.16	196.13	195.15	1741.98	1724.95	1723.97	17
3	G	270.18	253.15	252.17	1628.90	1611.87	1610.89	16
4	L	383.27	366.24	365.25	1571.88	1554.85	1553.86	15
5	G	440.29	423.26	422.28	1458.79	1441.76	1440.78	14
6	K*	610.39	593.37	592.38	1401.77	1384.74	1383.76	13
7	G	667.41	650.39	649.40	1231.66	1214.64	1213.65	12
8	G	724.44	707.41	706.42	1174.64	1157.62	1156.63	11

9	K*	894.54	877.51	876.53	1117.62	1100.59	1099.61	10
10	G	951.56	934.54	933.55	947.52	930.49	929.51	9
11	K*	1121.67	1104.64	1103.66	890.49	873.47	872.48	8
12	T	1222.72	1205.69	1204.70	720.39	703.36	702.38	7
13	G	1279.74	1262.71	1261.73	619.34	602.31	601.33	6
14	S	1366.77	1349.74	1348.76	562.32	545.29	544.31	5
15	G	1423.79	1406.76	1405.78	475.29	458.26	457.28	4
16	K	1551.89	1534.86	1533.87	418.27	401.24	400.26	3
17	T	1652.93	1635.91	1634.92	290.17	273.14	272.16	2
18	K*	-	-	-	189.12	172.10	171.11	1

-

		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	18
2	L	107.08	98.57	98.08	871.49	862.98	862.49	17
3	G	135.59	127.08	126.59	814.95	806.44	805.95	16
4	L	192.14	183.62	183.13	786.44	777.93	777.44	15
5	G	220.65	212.13	211.64	729.90	721.39	720.89	14
6	K*	305.70	297.19	296.69	701.39	692.88	692.38	13
7	G	334.21	325.70	325.21	616.34	607.82	607.33	12
8	G	362.72	354.21	353.72	587.82	579.31	578.82	11
9	K*	447.77	439.26	438.77	559.31	550.80	550.31	10
10	G	476.28	467.77	467.28	474.26	465.75	465.26	9
11	K*	561.34	552.82	552.33	445.75	437.24	436.75	8
12	T	611.86	603.35	602.86	360.70	352.18	351.69	7
13	G	640.37	631.86	631.37	310.17	301.66	301.17	6
14	S	683.89	675.37	674.88	281.66	273.15	272.66	5
15	G	712.40	703.89	703.39	238.15	229.63	229.14	4
16	K	776.45	767.93	767.44	209.64	201.12	200.63	3

17	T	826.97	818.46	817.96	145.59	137.08	136.58	2
18	K*	-	-	-	95.07	86.55	86.06	1

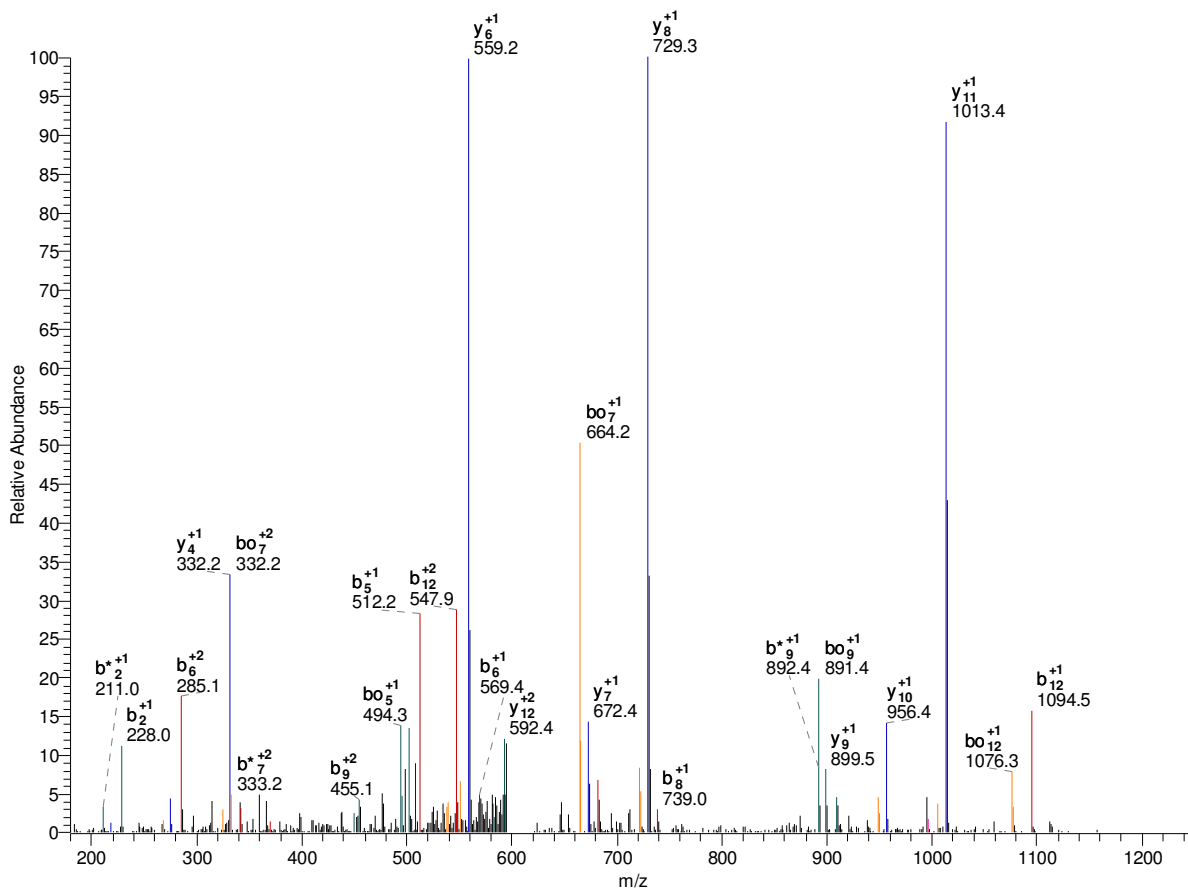
-

		B	B*	B0	Y	Y*	Y0	
1	V	34.03	28.35	28.03	-	-	-	18
2	L	71.72	66.05	65.72	581.33	575.66	575.33	17
3	G	90.73	85.06	84.73	543.64	537.96	537.63	16
4	L	128.43	122.75	122.42	524.63	518.95	518.63	15
5	G	147.43	141.76	141.43	486.94	481.26	480.93	14
6	K*	204.14	198.46	198.13	467.93	462.25	461.92	13
7	G	223.14	217.47	217.14	411.23	405.55	405.22	12
8	G	242.15	236.47	236.15	392.22	386.54	386.22	11
9	K*	298.85	293.18	292.85	373.21	367.54	367.21	10
10	G	317.86	312.18	311.86	316.51	310.83	310.51	9
11	K*	374.56	368.89	368.56	297.50	291.83	291.50	8
12	T	408.24	402.57	402.24	240.80	235.13	234.80	7
13	G	427.25	421.57	421.25	207.12	201.44	201.11	6
14	S	456.26	450.59	450.26	188.11	182.44	182.11	5
15	G	475.27	469.59	469.26	159.10	153.43	153.10	4
16	K	517.97	512.29	511.96	140.09	134.42	134.09	3
17	T	551.65	545.97	545.65	97.40	91.72	91.39	2
18	K*	-	-	-	63.71	58.04	57.71	1

psu|PF11_0061 | organism=Plasmodium_falciparum_3D7 | product=histone H4, putative | location=MAL11:

RGK*GGK*GLGK*GGAK

#3283-3283 RT:20.03-20.03 NL: 1.10E4



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	G	58.03	41.00	40.02	-	-	-	13
2	K*	228.13	211.11	210.12	1183.68	1166.65	1165.67	12
3	G	285.16	268.13	267.15	1013.57	996.55	995.56	11
4	G	342.18	325.15	324.17	956.55	939.53	938.54	10
5	K*	512.28	495.26	494.27	899.53	882.50	881.52	9
6	G	569.30	552.28	551.29	729.43	712.40	711.41	8
7	L	682.39	665.36	664.38	672.40	655.38	654.39	7
8	G	739.41	722.38	721.40	559.32	542.29	541.31	6
9	K*	909.52	892.49	891.50	502.30	485.27	484.29	5
10	G	966.54	949.51	948.53	332.19	315.17	314.18	4
11	G	1023.56	1006.53	1005.55	275.17	258.14	257.16	3
12	A	1094.60	1077.57	1076.58	218.15	201.12	200.14	2
13	K	-	-	-	147.11	130.09	129.10	1

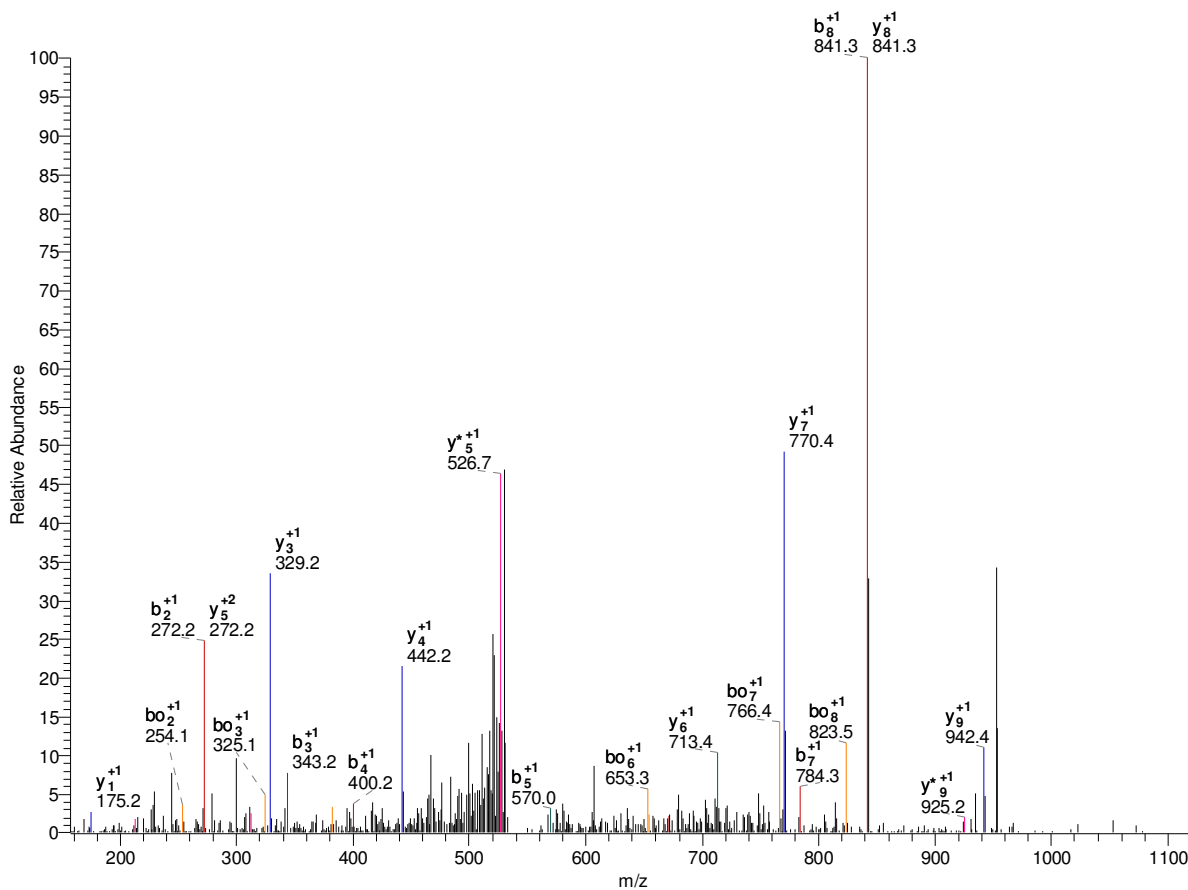
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	G	29.52	21.00	20.51	-	-	-	13
2	K*	114.57	106.06	105.57	592.34	583.83	583.34	12
3	G	143.08	134.57	134.08	507.29	498.78	498.29	11
4	G	171.59	163.08	162.59	478.78	470.27	469.77	10
5	K*	256.65	248.13	247.64	450.27	441.76	441.26	9
6	G	285.16	276.64	276.15	365.22	356.70	356.21	8
7	L	341.70	333.18	332.69	336.71	328.19	327.70	7
8	G	370.21	361.70	361.20	280.16	271.65	271.16	6
9	K*	455.26	446.75	446.26	251.65	243.14	242.65	5
10	G	483.77	475.26	474.77	166.60	158.09	157.59	4
11	G	512.28	503.77	503.28	138.09	129.58	129.08	3
12	A	547.80	539.29	538.80	109.58	101.07	100.57	2

13	K	-	-	-	74.06	65.55	65.05	1
----	---	---	---	---	-------	-------	-------	---

psu|PF07_0054 | organism=Plasmodium_falciparum_3D7 | product=histone h2b, putative | location=MAL7:

K*KTAGK*TLGPR

#3631-3631 RT:21.78-21.78 NL: 5.08E3

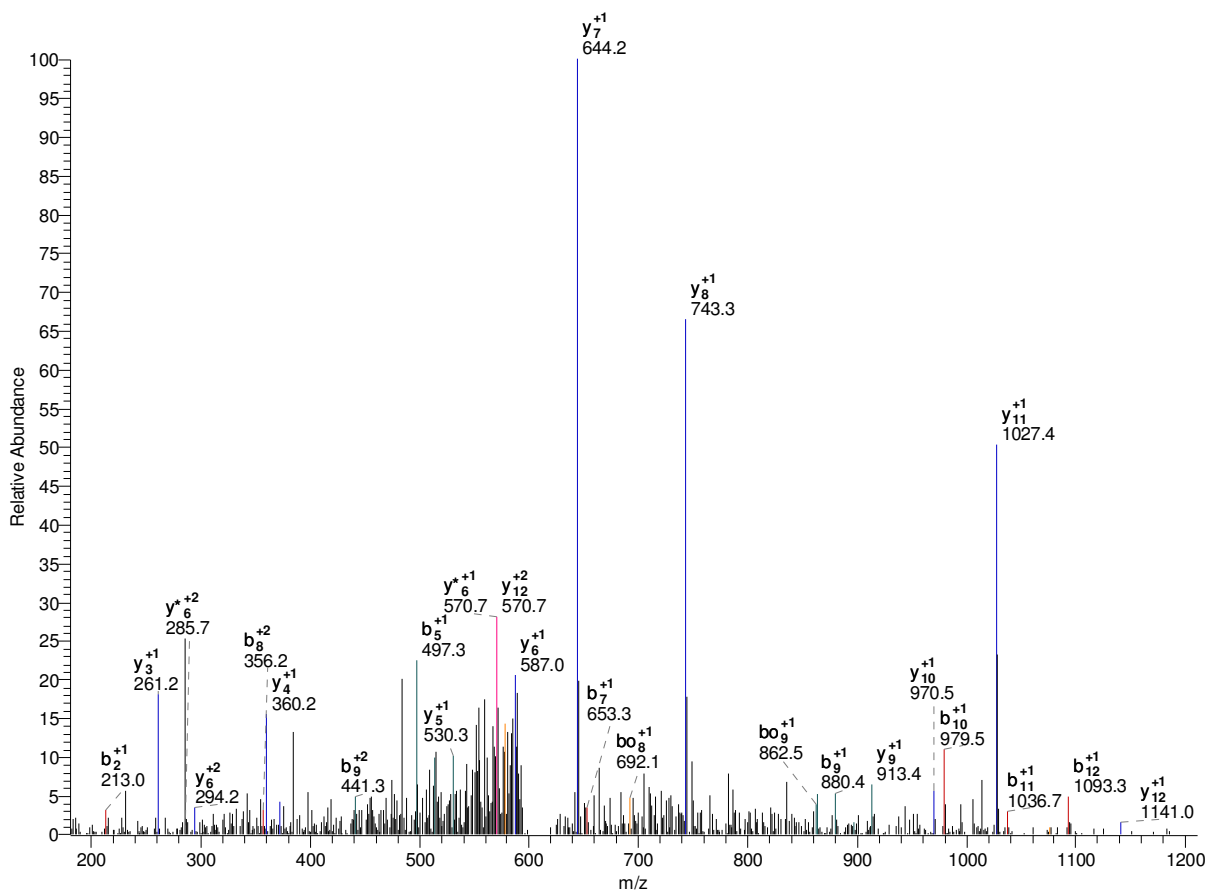


+1 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	171.11	154.09	153.10	-	-	-	10
2	T	272.16	255.13	254.15	942.54	925.51	924.53	9
3	A	343.20	326.17	325.19	841.49	824.46	823.48	8
4	G	400.22	383.19	382.21	770.45	753.43	752.44	7
5	K*	570.32	553.30	552.31	713.43	696.40	695.42	6
6	T	671.37	654.35	653.36	543.32	526.30	525.31	5
7	L	784.46	767.43	766.45	442.28	425.25	424.27	4
8	G	841.48	824.45	823.47	329.19	312.17	311.18	3
9	P	938.53	921.50	920.52	272.17	255.15	254.16	2
10	R	-	-	-	175.12	158.09	157.11	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	K*	86.06	77.55	77.05	-	-	-	10
2	T	136.58	128.07	127.58	471.77	463.26	462.77	9
3	A	172.10	163.59	163.10	421.25	412.73	412.24	8
4	G	200.61	192.10	191.61	385.73	377.22	376.72	7
5	K*	285.67	277.15	276.66	357.22	348.71	348.21	6
6	T	336.19	327.68	327.18	272.17	263.65	263.16	5
7	L	392.73	384.22	383.73	221.64	213.13	212.64	4
8	G	421.24	412.73	412.24	165.10	156.59	156.09	3
9	P	469.77	461.26	460.76	136.59	128.08	127.58	2
10	R	-	-	-	88.06	79.55	79.06	1

psu|PFC0920w | organism=Plasmodium_falciparum_3D7 | product=histone H2A variant, putative | location

KVIGGK*VGKK*VGKK



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	V	100.08	83.05	82.07	-	-	-	13
2	I	213.16	196.13	195.15	1140.67	1123.65	1122.66	12
3	G	270.18	253.15	252.17	1027.59	1010.56	1009.58	11
4	G	327.20	310.18	309.19	970.57	953.54	952.56	10
5	K*	497.31	480.28	479.30	913.55	896.52	895.54	9
6	V	596.38	579.35	578.37	743.44	726.41	725.43	8
7	G	653.40	636.37	635.39	644.37	627.35	626.36	7
8	G	710.42	693.39	692.41	587.35	570.32	569.34	6
9	K*	880.53	863.50	862.51	530.33	513.30	512.32	5
10	V	979.59	962.57	961.58	360.22	343.20	342.21	4
11	G	1036.61	1019.59	1018.60	261.16	244.13	243.15	3
12	G	1093.64	1076.61	1075.63	204.13	187.11	186.12	2
13	K	-	-	-	147.11	130.09	129.10	1

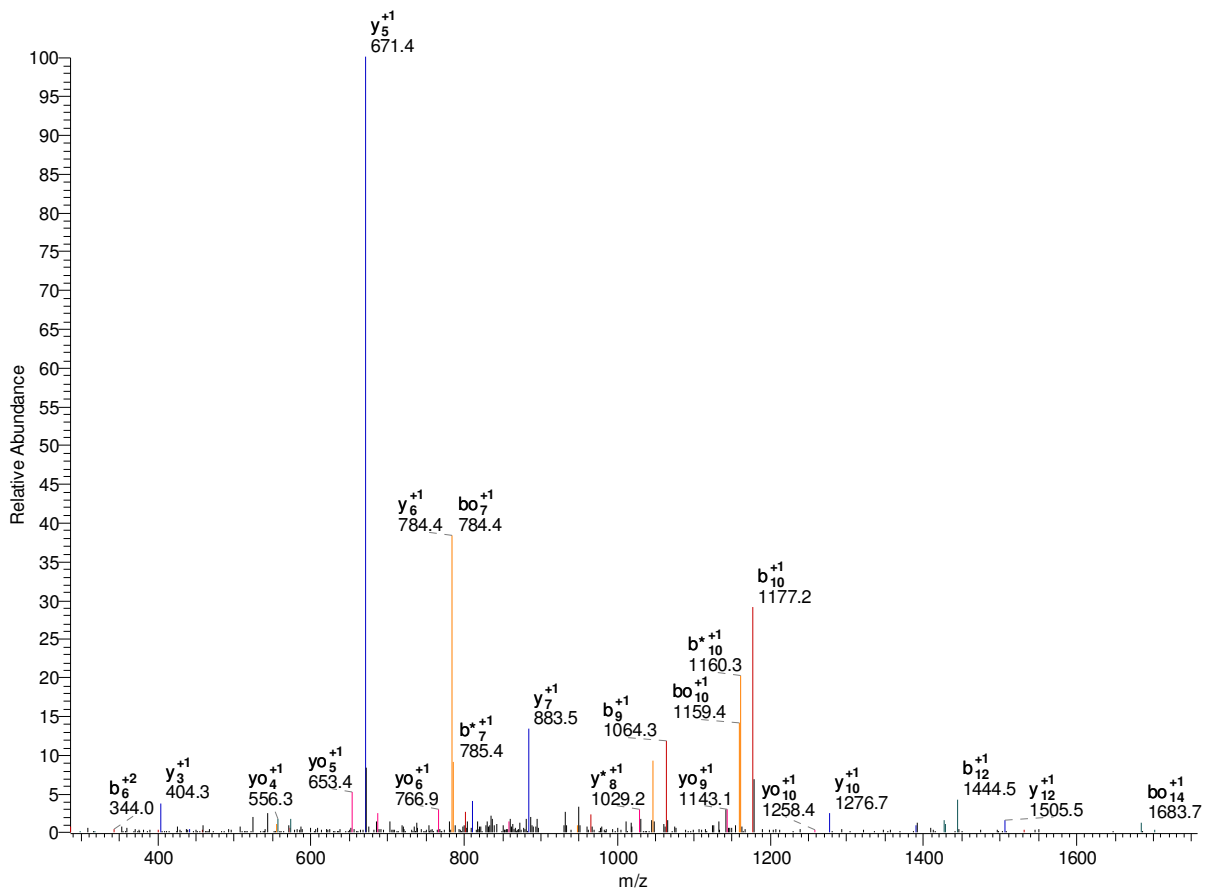
+2 Ions		B	B*	B0	Y	Y*	Y0	
1	V	50.54	42.03	41.54	-	-	-	13
2	I	107.08	98.57	98.08	570.84	562.33	561.84	12
3	G	135.59	127.08	126.59	514.30	505.79	505.29	11
4	G	164.10	155.59	155.10	485.79	477.27	476.78	10
5	K*	249.16	240.64	240.15	457.28	448.76	448.27	9
6	V	298.69	290.18	289.69	372.22	363.71	363.22	8
7	G	327.20	318.69	318.20	322.69	314.18	313.68	7
8	G	355.71	347.20	346.71	294.18	285.67	285.17	6
9	K*	440.77	432.25	431.76	265.67	257.16	256.66	5
10	V	490.30	481.79	481.30	180.62	172.10	171.61	4
11	G	518.81	510.30	509.81	131.08	122.57	122.08	3

12	G	547.32	538.81	538.32	102.57	94.06	93.57	2
13	K	-	-	-	74.06	65.55	65.05	1

psu|PF10_0143 | organism=Plasmodium_falciparum_3D7 | product=transcriptional activator ADA2, putati

KDINDNDDYVLPK*SK*K

#5871-5871 RT:33.32-33.32 NL: 3.07E3



+1 Ions		B	B*	B0	Y	Y*	Y0	
1	D	116.03	99.01	98.02	-	-	-	15
2	I	229.12	212.09	211.11	1732.88	1715.85	1714.86	14
3	N	343.16	326.13	325.15	1619.79	1602.76	1601.78	13
4	D	458.19	441.16	440.18	1505.75	1488.72	1487.74	12
5	N	572.23	555.20	554.22	1390.72	1373.69	1372.71	11
6	D	687.26	670.23	669.25	1276.68	1259.65	1258.67	10
7	D	802.28	785.26	784.27	1161.65	1144.62	1143.64	9
8	Y	965.35	948.32	947.34	1046.62	1029.60	1028.61	8
9	V	1064.42	1047.39	1046.41	883.56	866.53	865.55	7
10	L	1177.50	1160.47	1159.49	784.49	767.47	766.48	6
11	P	1274.55	1257.53	1256.54	671.41	654.38	653.40	5
12	K*	1444.66	1427.63	1426.65	574.36	557.33	556.35	4
13	S	1531.69	1514.66	1513.68	404.25	387.22	386.24	3
14	K*	1701.80	1684.77	1683.79	317.22	300.19	299.21	2
15	K	-	-	-	147.11	130.09	129.10	1

+2 Ions		B	B*	B0	Y	Y*	Y0	
1	D	58.52	50.01	49.52	-	-	-	15
2	I	115.06	106.55	106.06	866.94	858.43	857.94	14
3	N	172.08	163.57	163.08	810.40	801.89	801.39	13
4	D	229.60	221.08	220.59	753.38	744.86	744.37	12
5	N	286.62	278.11	277.61	695.86	687.35	686.86	11
6	D	344.13	335.62	335.13	638.84	630.33	629.84	10
7	D	401.65	393.13	392.64	581.33	572.82	572.32	9
8	Y	483.18	474.66	474.17	523.82	515.30	514.81	8
9	V	532.71	524.20	523.71	442.28	433.77	433.28	7

10	L	589.25	580.74	580.25	392.75	384.24	383.74	6
11	P	637.78	629.27	628.78	336.21	327.69	327.20	5
12	K*	722.83	714.32	713.83	287.68	279.17	278.68	4
13	S	766.35	757.84	757.34	202.63	194.12	193.62	3
14	K*	851.40	842.89	842.40	159.11	150.60	150.11	2
15	K	-	-	-	74.06	65.55	65.05	1