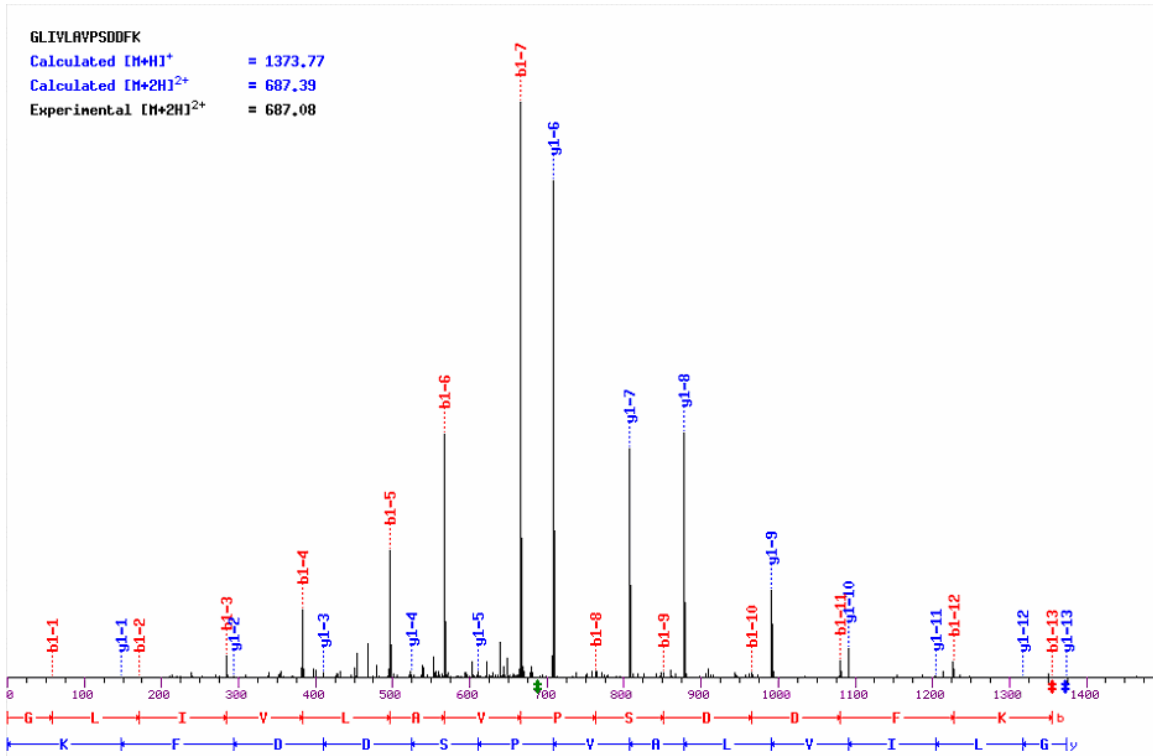
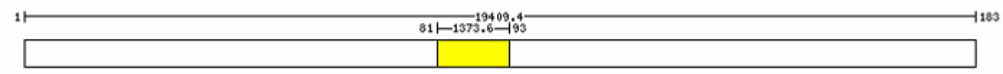


SUPPLEMENTAL FIGURE 1.

A. RRC02811 (5002)



Header: rrc02811, GLUTATHIONE PEROXIDASE (EC 1.11.1.9) 139409:139957 reverse MW:19409
Avg Mass: 19409.4 Coverage: 13/183 = 7.1% by amino acid count, 1373.6/19409.4 = 7.1% by mass



MKIKLMAAAV LTGFGAFAAP AARATEAAAP SFTFASIEGG VIDTAAYRGH PVLVVMASL CGFTPQLEGL QALHKAMGPK **GLIVLAVPSD**
DFKQLESGK EWSEFCTLTLY GLTVPMTDIT PVLGEGAHFP FKWLKETQGF VPRWVFNKVL LDGEGRVVAT WGSMTKPSS AIRAAFEPLL
PGA

Sort by: Sequence Position
PepStat GLIVLAVPSDDFK 81 - 93

Sequence Ions

GLIVLAVPSDDFK

Calculated [M+H]⁺ 1373.77

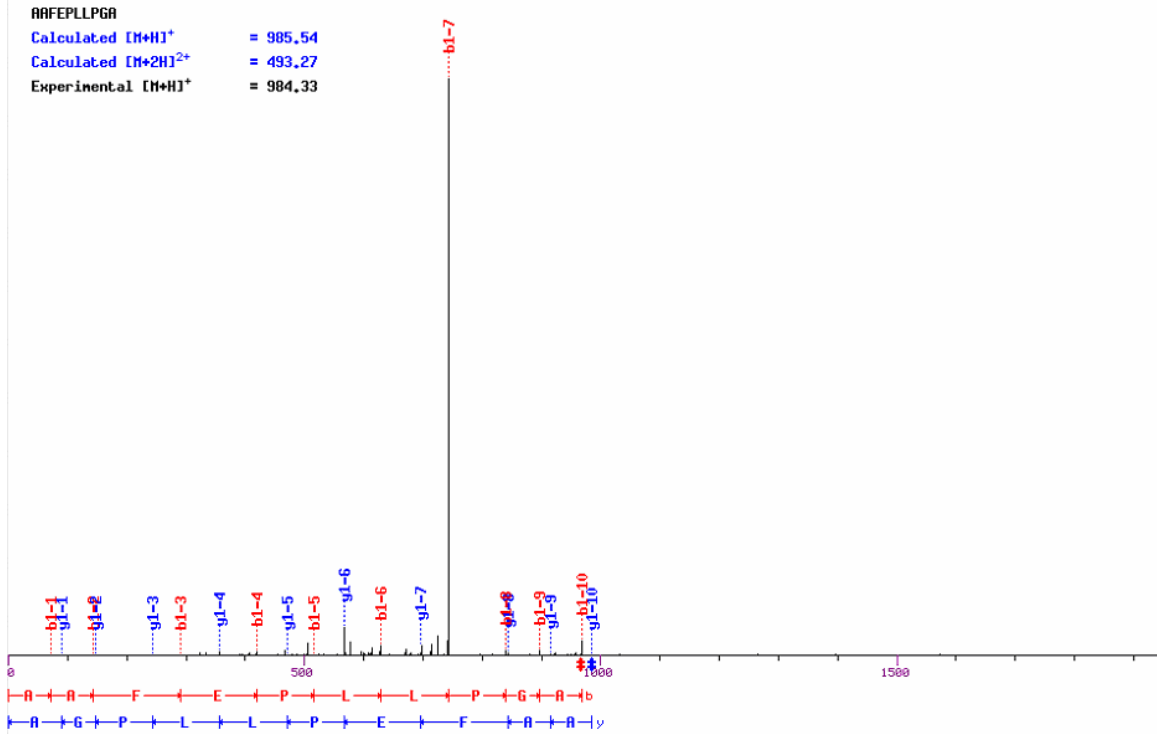
Calculated [M+2H]²⁺ 687.39

Experimental [M+2H]²⁺ 687.08

1+	#	y	y*	y°	#	b	b*	b°	a	a*	a°	Pro
G	13	<u>1373.77</u>	1356.77	1355.77	1	58.03	41.03	40.03	30.03	13.03	12.03	
L	12	<u>1316.75</u>	1299.75	1298.75	2	171.11	154.11	153.11	143.12	126.12	125.12	
I	11	<u>1203.66</u>	<u>1186.66</u>	<u>1185.66</u>	3	<u>284.20</u>	<u>267.20</u>	<u>266.20</u>	<u>256.20</u>	<u>239.20</u>	<u>238.20</u>	
V	10	<u>1090.58</u>	1073.58	1072.58	4	<u>383.27</u>	<u>366.27</u>	<u>365.27</u>	<u>355.27</u>	<u>338.27</u>	<u>337.27</u>	
L	9	<u>991.51</u>	974.51	973.51	5	<u>496.35</u>	<u>479.35</u>	<u>478.35</u>	<u>468.35</u>	<u>451.35</u>	450.35	
A	8	<u>878.43</u>	<u>861.43</u>	<u>860.43</u>	6	<u>567.39</u>	550.39	549.39	<u>539.39</u>	522.39	521.39	
V	7	<u>807.39</u>	790.39	789.39	7	<u>666.46</u>	649.46	648.46	<u>638.46</u>	<u>621.46</u>	620.46	
P	6	<u>708.32</u>	691.32	690.32	8	<u>763.51</u>	746.51	745.51	<u>735.51</u>	718.51	717.51	98.06
S	5	<u>611.27</u>	594.27	593.27	9	<u>850.54</u>	833.54	832.54	<u>822.55</u>	<u>805.55</u>	804.55	185.09
D	4	<u>524.24</u>	507.24	506.24	10	<u>965.57</u>	948.57	947.57	<u>937.57</u>	920.57	919.57	300.12
D	3	<u>409.21</u>	392.21	391.21	11	<u>1080.59</u>	1063.59	1062.59	<u>1052.60</u>	<u>1035.60</u>	<u>1034.60</u>	415.15
F	2	<u>294.18</u>	277.18	276.18	12	<u>1227.66</u>	1210.66	1209.66	<u>1199.67</u>	1182.67	1181.67	562.21
K	1	147.11	130.11	129.11	13	<u>1355.76</u>	<u>1338.76</u>	<u>1337.76</u>	<u>1327.76</u>	1310.76	1309.76	690.31

2+	#	y	y*	y°	#	b	b*	b°	a	a*	a°	Pro
G	13	<u>687.39</u>	<u>678.89</u>	678.39	1	29.52	21.02	20.52	15.52	7.02	6.52	
L	12	<u>658.88</u>	650.38	649.88	2	86.06	77.56	77.06	72.06	63.56	63.06	
I	11	<u>602.34</u>	593.84	593.34	3	142.60	134.10	133.60	128.61	120.11	119.61	
V	10	<u>545.79</u>	537.29	536.79	4	192.14	183.64	183.14	178.14	169.64	169.14	
L	9	<u>496.26</u>	487.76	487.26	5	<u>248.68</u>	<u>240.18</u>	<u>239.68</u>	<u>234.68</u>	226.18	225.68	
A	8	<u>439.72</u>	<u>431.22</u>	<u>430.72</u>	6	<u>284.20</u>	275.70	275.20	<u>270.20</u>	261.70	261.20	
V	7	<u>404.20</u>	395.70	395.20	7	<u>333.73</u>	<u>325.23</u>	<u>324.73</u>	<u>319.73</u>	<u>311.23</u>	310.73	
P	6	<u>354.66</u>	346.16	345.66	8	<u>382.26</u>	373.76	373.26	<u>368.26</u>	359.76	359.26	49.53
S	5	<u>306.14</u>	297.64	297.14	9	<u>425.77</u>	<u>417.27</u>	<u>416.77</u>	<u>411.78</u>	403.28	402.78	93.05
D	4	<u>262.62</u>	<u>254.12</u>	<u>253.62</u>	10	<u>483.29</u>	474.79	474.29	<u>469.29</u>	460.79	460.29	150.56
D	3	205.11	196.61	196.11	11	<u>540.80</u>	532.30	531.80	<u>526.80</u>	518.30	517.80	208.08
F	2	147.59	139.09	138.59	12	<u>614.34</u>	605.84	605.34	<u>600.34</u>	591.84	591.34	281.61
K	1	74.06	65.56	65.06	13	<u>678.38</u>	<u>669.88</u>	<u>669.38</u>	<u>664.39</u>	655.89	655.39	345.66

B. RRC02811 (5002)



Sort by: Sequence Position
[PepStat](#) AAFEPLLPGA 174 - 183

AAFEPLLPGA

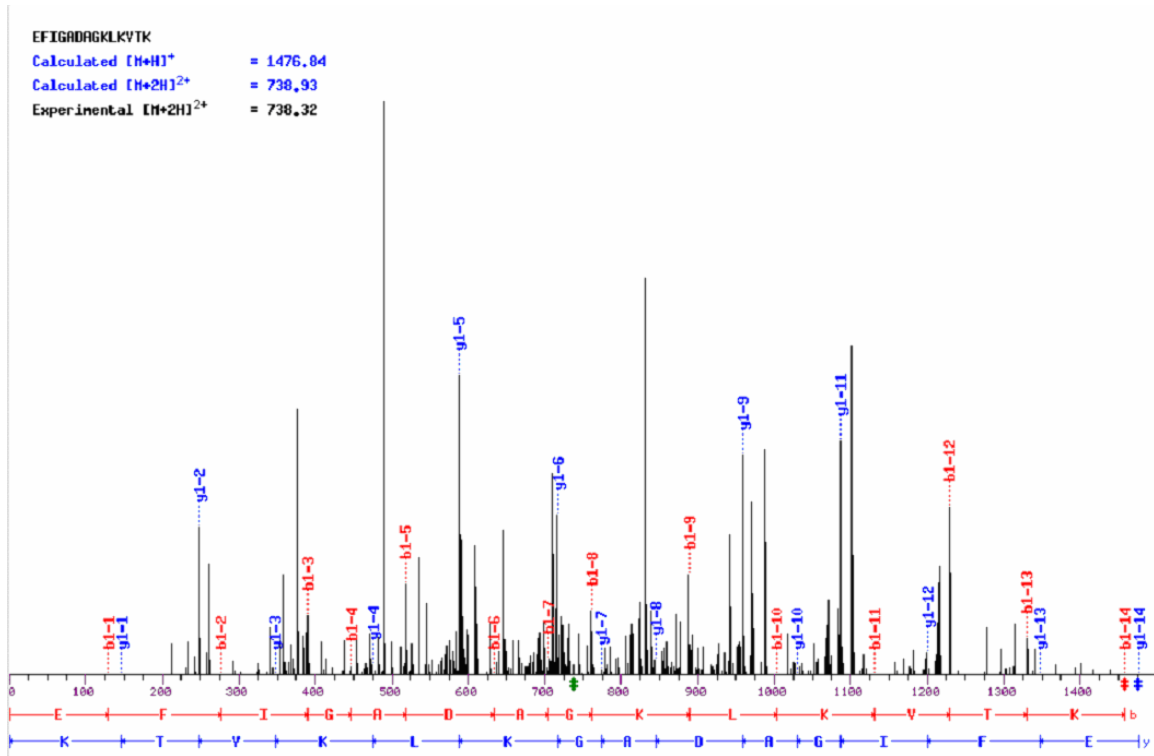
Calculated [M+H]⁺ 985.54

Calculated [M+2H]²⁺ 493.27

Experimental [M+H]⁺ 984.33

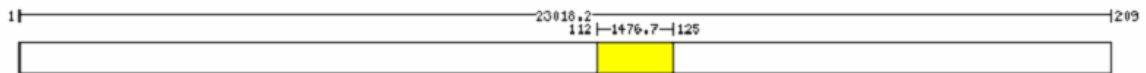
1+	#	y	y*	y°	#	b	b*	b°	a	a*	a°	Pro	Pro
A	10	985.54	968.54	967.54	1	72.04	55.04	54.04	44.05	27.05	26.05		
A	9	914.50	897.50	896.50	2	143.08	126.08	125.08	115.09	98.09	97.09		
F	8	843.46	826.46	825.46	3	290.15	273.15	272.15	262.16	245.16	244.16		
E	7	696.39	679.39	678.39	4	419.19	402.19	401.19	391.20	374.20	373.20		
P	6	567.35	550.35	549.35	5	516.25	499.25	498.25	488.25	471.25	470.25	98.06	
L	5	470.30	453.30	452.30	6	629.33	612.33	611.33	601.33	584.33	583.33	211.14	
L	4	357.21	340.21	339.21	7	742.41	725.41	724.41	714.42	697.42	696.42	324.23	
P	3	244.13	227.13	226.13	8	839.47	822.47	821.47	811.47	794.47	793.47	421.28	98.06
G	2	147.08	130.08	129.08	9	896.49	879.49	878.49	868.49	851.49	850.49	478.30	155.08
A	1	90.06	73.06	72.06	10	967.53	950.53	949.53	939.53	922.53	921.53	549.34	226.12

C. RRC02959 (2107)



Header: rrc02959, CDP-DIACYLGLYCEROL--GLYCEROL-3-PHOSPHATE 3-PHOSPHATIDYLTRANSFERASE (EC 2.7.8.5)
 484040:484666 reverse MW:23018

Avg Mass: 23018.2 **Coverage:** 14/209 = 6.7% by amino acid count, 1476.7/23018.2 = 6.4% by mass



MKGNLPNSLT VLRLLIAPGV AVMFYFARP WADWFALTIF IGAAVTDWFD GYLARAQKQE SKFGAMLDPI ADKAMVVIAL VVITGYSGMN
 PWLILPATVI LFREVFVSGL **REFIGADAGK LKLVTK**LAKWK TTAQNVIAI LFLGTGLDYL EKGRAPRAGE GNLPNFASLA DLANHVGLAL
 IWVAAVLTAI TGWDYFRKAL PFLRDHKS

Sort by: Sequence Position
[PepStat](#) EFIGADAGLKLVTK 112 - 125

EFIGADAGKLVTK

Calculated [M+H]⁺ 1476.84

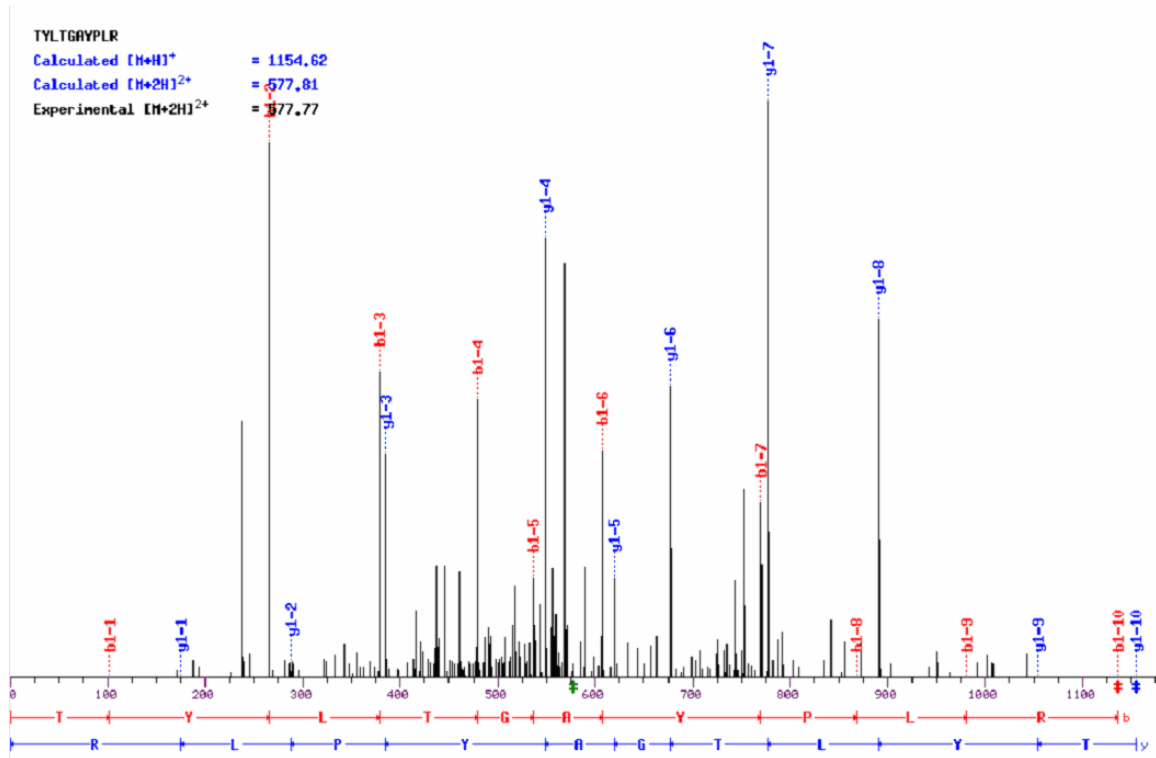
Calculated [M+2H]²⁺ 738.93

Experimental [M+2H]²⁺ 738.32

1+	#	y	y [*]	y [°]	#	b	b [*]	b [°]	a	a [*]	a [°]
E	14	<u>1476.84</u>	1459.84	1458.84	1	130.05	113.05	112.05	102.06	85.06	84.06
F	13	<u>1347.80</u>	<u>1330.80</u>	<u>1329.80</u>	2	<u>277.12</u>	<u>260.12</u>	<u>259.12</u>	<u>249.12</u>	232.12	231.12
I	12	<u>1200.73</u>	1183.73	1182.73	3	<u>390.20</u>	373.20	372.20	<u>362.21</u>	345.21	344.21
G	11	<u>1087.65</u>	<u>1070.65</u>	<u>1069.65</u>	4	<u>447.22</u>	430.22	429.22	<u>419.23</u>	402.23	401.23
A	10	<u>1030.63</u>	1013.63	1012.63	5	<u>518.26</u>	501.26	500.26	<u>490.27</u>	<u>473.27</u>	<u>472.27</u>
D	9	<u>959.59</u>	<u>942.59</u>	<u>941.59</u>	6	<u>633.29</u>	616.29	615.29	<u>605.29</u>	<u>588.29</u>	<u>587.29</u>
A	8	<u>844.56</u>	827.56	826.56	7	<u>704.33</u>	687.33	686.33	<u>676.33</u>	659.33	658.33
G	7	<u>773.52</u>	756.52	755.52	8	<u>761.35</u>	744.35	743.35	<u>733.35</u>	<u>716.35</u>	<u>715.35</u>
K	6	<u>716.50</u>	<u>699.50</u>	<u>698.50</u>	9	<u>889.44</u>	<u>872.44</u>	<u>871.44</u>	<u>861.45</u>	844.45	843.45
L	5	<u>588.41</u>	571.41	<u>570.41</u>	10	<u>1002.53</u>	985.53	984.53	<u>974.53</u>	<u>957.53</u>	<u>956.53</u>
K	4	<u>475.32</u>	458.32	457.32	11	<u>1130.62</u>	1113.62	1112.62	<u>1102.63</u>	<u>1085.63</u>	<u>1084.63</u>
V	3	<u>347.23</u>	330.23	329.23	12	<u>1229.69</u>	<u>1212.69</u>	<u>1211.69</u>	<u>1201.69</u>	1184.69	1183.69
T	2	<u>248.16</u>	231.16	230.16	13	<u>1330.74</u>	<u>1313.74</u>	<u>1312.74</u>	<u>1302.74</u>	1285.74	1284.74
K	1	147.11	130.11	129.11	14	<u>1458.83</u>	1441.83	1440.83	<u>1430.84</u>	1413.84	1412.84

2+	#	y	y [*]	y [°]	#	b	b [*]	b [°]	a	a [*]	a [°]
E	14	<u>738.93</u>	<u>730.43</u>	<u>729.93</u>	1	65.53	57.03	56.53	51.53	43.03	42.53
F	13	<u>674.40</u>	665.90	<u>665.40</u>	2	139.06	130.56	130.06	125.07	116.57	116.07
I	12	<u>600.87</u>	<u>592.37</u>	<u>591.87</u>	3	195.61	187.11	186.61	181.61	173.11	172.61
G	11	<u>544.33</u>	535.83	<u>535.33</u>	4	<u>224.12</u>	215.62	215.12	210.12	201.62	201.12
A	10	<u>515.82</u>	507.32	506.82	5	<u>259.63</u>	251.13	250.63	<u>245.64</u>	237.14	236.64
D	9	<u>480.30</u>	<u>471.80</u>	<u>471.30</u>	6	<u>317.15</u>	308.65	308.15	<u>303.15</u>	294.65	294.15
A	8	<u>422.78</u>	414.28	413.78	7	<u>352.67</u>	344.17	343.67	<u>338.67</u>	330.17	329.67
G	7	<u>387.27</u>	378.77	<u>378.27</u>	8	<u>381.18</u>	372.68	372.18	<u>367.18</u>	<u>358.68</u>	<u>358.18</u>
K	6	<u>358.76</u>	350.26	349.76	9	<u>445.22</u>	436.72	436.22	<u>431.23</u>	422.73	422.23
L	5	<u>294.71</u>	286.21	285.71	10	<u>501.77</u>	493.27	492.77	<u>487.77</u>	479.27	478.77
K	4	<u>238.17</u>	229.67	229.17	11	<u>565.81</u>	557.31	556.81	<u>551.82</u>	<u>543.32</u>	<u>542.82</u>
V	3	174.12	165.62	165.12	12	<u>615.35</u>	606.85	606.35	<u>601.35</u>	<u>592.85</u>	<u>592.35</u>
T	2	124.58	116.08	115.58	13	<u>665.87</u>	657.37	656.87	<u>651.87</u>	643.37	642.87
K	1	74.06	65.56	65.06	14	<u>729.92</u>	<u>721.42</u>	<u>720.92</u>	<u>715.92</u>	<u>707.42</u>	<u>706.92</u>

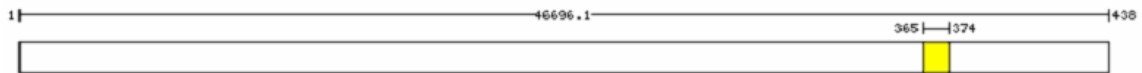
D. RRC03108 (2501)



Header: rrc03108, ZINC PROTEASE (EC 3.4.99.-) 604457:605770 forward MW:46696

Avg Mass: 46696.1

Coverage: 10/438 = 2.3% by amino acid count, 1154.3/46696.1 = 2.5% by mass



MILRAPFRIL AAVVLAVLSA LPAAAIEITE VTSPGGIKAW LVEAHDIPFT ALEIRFRGGA SLDEPGKRG TNLMTATLEE GSADLDSQGF
 AAAQEALAA S FKFDVDDDTL SISARMLTEN RDKAVDLLRG ALIDPHFDQA SVDVRGQVL SIIASETQDP QALAGEAFRK LAYGDHPYGT
 SLNGTLDSVQ ALTREDMFTA KARVMARDRL VVSAVGDITA ADLGPLLDR LGLDPATGAP LPPRADLALT GGVTVPFDT PQATVIFGEQ
 GLAMSDPDDFF PAYVFNEILG AGGFSSRLME EVREKRLTY GIYYTLVPKD LAETWQGSFA SANGKVAEAI EIVKAEWARA ASGKVTIDREL
 ADAK**TYLTGA** **YPLR**FDGNNG IADILAGMQL NGLPVDYINT RNDKVTAVTK DDIARVAQRL IKAEGLRFFV VGQPEGLK

Sort by:

Sequence

Position

PepStat

TYLTGAYPLR

365 - 374

TYLTGAYPLR

Calculated [M+H]⁺ 1154.62

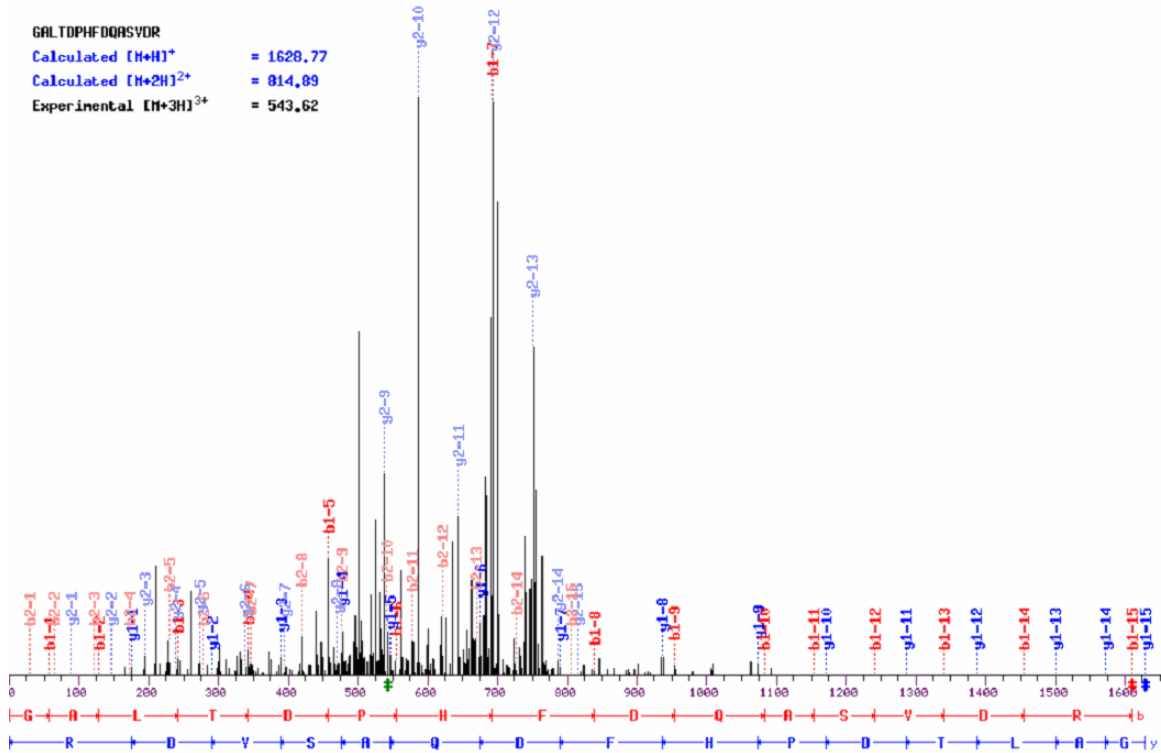
Calculated [M+2H]²⁺ 577.81

Experimental [M+2H]²⁺ 577.77

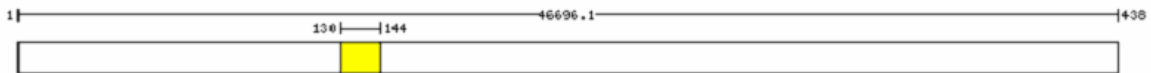
I+	#	y	y*	y°	#	b	b*	b°	a	a*	a°	Pro
T	10	<u>1154.62</u>	1137.62	1136.62	1	102.06	85.06	84.06	74.06	57.06	56.06	
Y	9	<u>1053.57</u>	1036.57	1035.57	2	<u>265.12</u>	248.12	247.12	<u>237.12</u>	220.12	219.12	
L	8	<u>890.51</u>	<u>873.51</u>	<u>872.51</u>	3	<u>378.20</u>	361.20	360.20	<u>350.21</u>	<u>333.21</u>	332.21	
T	7	<u>777.43</u>	760.43	759.43	4	<u>479.25</u>	<u>462.25</u>	<u>461.25</u>	<u>451.26</u>	434.26	433.26	
G	6	<u>676.38</u>	659.38	658.38	5	<u>536.27</u>	<u>519.27</u>	<u>518.27</u>	<u>508.28</u>	<u>491.28</u>	<u>490.28</u>	
A	5	<u>619.36</u>	602.36	601.36	6	<u>607.31</u>	<u>590.31</u>	<u>589.31</u>	<u>579.31</u>	562.31	<u>561.31</u>	
Y	4	<u>548.32</u>	531.32	530.32	7	<u>770.37</u>	<u>753.37</u>	<u>752.37</u>	<u>742.38</u>	<u>725.38</u>	<u>724.38</u>	
P	3	<u>385.26</u>	368.26	367.26	8	<u>867.43</u>	850.43	849.43	<u>839.43</u>	822.43	821.43	98.06
L	2	<u>288.20</u>	271.20	270.20	9	<u>980.51</u>	<u>963.51</u>	<u>962.51</u>	<u>952.51</u>	935.51	934.51	211.14
R	1	<u>175.12</u>	158.12	157.12	10	<u>1136.61</u>	<u>1119.61</u>	<u>1118.61</u>	<u>1108.62</u>	1091.62	1090.62	367.25

2+	#	y	y*	y°	#	b	b*	b°	a	a*	a°	Pro
T	10	<u>577.81</u>	<u>569.31</u>	<u>568.81</u>	1	51.53	43.03	42.53	37.53	29.03	28.53	
Y	9	<u>527.29</u>	<u>518.79</u>	<u>518.29</u>	2	133.06	124.56	124.06	119.07	110.57	110.07	
L	8	<u>445.76</u>	<u>437.26</u>	<u>436.76</u>	3	<u>189.61</u>	181.11	180.61	<u>175.61</u>	167.11	166.61	
T	7	<u>389.22</u>	380.72	<u>380.22</u>	4	<u>240.13</u>	231.63	231.13	<u>226.13</u>	217.63	217.13	
G	6	<u>338.69</u>	330.19	329.69	5	<u>268.64</u>	260.14	259.64	<u>254.64</u>	<u>246.14</u>	<u>245.64</u>	
A	5	<u>310.18</u>	301.68	301.18	6	<u>304.16</u>	295.66	<u>295.16</u>	<u>290.16</u>	<u>281.66</u>	<u>281.16</u>	
Y	4	<u>274.66</u>	<u>266.16</u>	<u>265.66</u>	7	<u>385.69</u>	<u>377.19</u>	376.69	<u>371.69</u>	363.19	362.69	
P	3	<u>193.13</u>	184.63	184.13	8	<u>434.22</u>	425.72	425.22	<u>420.22</u>	411.72	411.22	49.53
L	2	144.61	136.11	135.61	9	<u>490.76</u>	482.26	481.76	<u>476.76</u>	468.26	467.76	106.08
R	1	88.06	79.56	79.06	10	<u>568.81</u>	<u>560.31</u>	<u>559.81</u>	<u>554.81</u>	546.31	545.81	184.13

E. RRC03108 (2501)



Header: rrc03108, ZINC PROTEASE (EC 3.4.99.-) 604457:605770 forward MW:46696
Avg Mass: 46696.1 **Coverage:** 15/438 = 3.4% by amino acid count, 1628.7/46696.1 = 3.5% by mass



MILRAPFRIL AAVVLAVLSA LPAAAEITE VTSPGGIKAW LVEAHDIPT ALEIRFRGGA SLDEPKRGA TNLMTATLEE GSADLDSQGF
 AAAQEALAAAS FKFDVDDTL SISARMLTEN RDKAVDLLRG **ALDTPHFQASVDR**VRGQVL SIIASETQDP QALAGEAFRK LAYGDHPYGT
 SLNGTLDVSVQ ALTREDMFTA KARVMARDRL VVSAVGDITA ADLGPLLDRL LGDLPATGAP LPPRADLALT GCVIVVPPDT PQATVIFGEQ
 GLAMSDPDFF PAYVFNEILG ACGFSSRLME EVREKRGLTY GIYTYLVPKD LAETWQGSFA SANGKVAEAI EIVKAENARA ASGKVTDREL
 ADAKTYLTGA YPLRFDGNGN IADILAGMQL NGLPVDYINT RMDKVTAVIK DDIAARVAQRL IKAEGLRFFV VQQPEGLK

Sort by: Sequence Position
PepStat GALDTPHFQASVDR 130 - 144

GALTDPHFDQASVDR

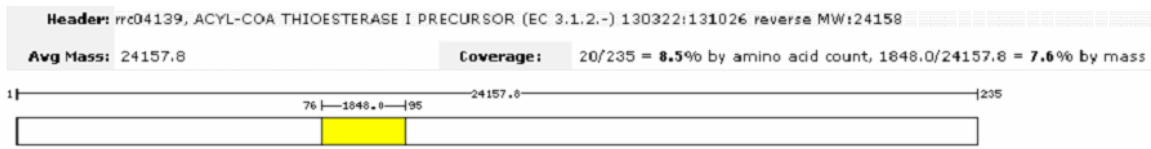
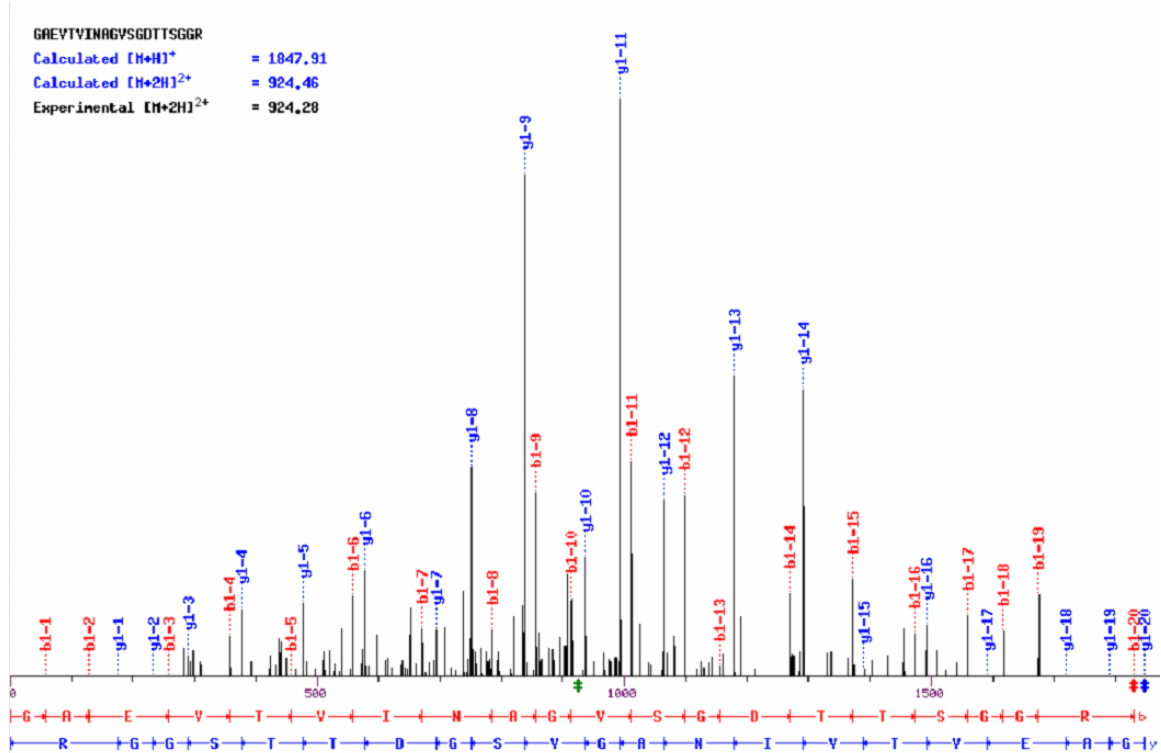
Calculated [M+H]⁺ 1628.77Calculated [M+2H]²⁺ 814.89Experimental [M+3H]³⁺ 543.62

l+	#	y	y ⁺	y ^o	#	b	b ⁺	b ^o	a	a ⁺	a ^o	Pro	His
G	15	1628.77	1611.77	1610.77	1	58.03	41.03	40.03	30.03	13.03	12.03		
A	14	1571.75	1554.75	1553.75	2	129.07	112.07	111.07	101.07	84.07	83.07		
L	13	1500.71	1483.71	1482.71	3	<u>242.15</u>	<u>225.15</u>	<u>224.15</u>	<u>214.16</u>	197.16	<u>196.16</u>		
T	12	1387.62	1370.62	1369.62	4	<u>343.20</u>	<u>326.20</u>	<u>325.20</u>	<u>315.20</u>	<u>298.20</u>	297.20		
D	11	1286.58	1269.58	1268.58	5	<u>458.23</u>	<u>441.23</u>	<u>440.23</u>	<u>430.23</u>	413.23	412.23		
P	10	1171.55	1154.55	1153.55	6	<u>555.28</u>	<u>538.28</u>	<u>537.28</u>	<u>527.28</u>	510.28	509.28	98.06	
H	9	<u>1074.50</u>	1057.50	1056.50	7	<u>692.34</u>	675.34	674.34	<u>664.34</u>	647.34	646.34	235.12	138.07
F	8	<u>937.44</u>	920.44	919.44	8	<u>839.41</u>	822.41	821.41	<u>811.41</u>	794.41	793.41	382.19	285.14
D	7	<u>790.37</u>	773.37	772.37	9	<u>954.43</u>	<u>937.43</u>	<u>936.43</u>	<u>926.44</u>	909.44	908.44	<u>497.21</u>	400.16
Q	6	<u>675.34</u>	658.34	657.34	10	<u>1082.49</u>	1065.49	<u>1064.49</u>	<u>1054.50</u>	1037.50	1036.50	625.27	<u>528.22</u>
A	5	<u>547.28</u>	<u>530.28</u>	<u>529.28</u>	11	<u>1153.53</u>	1136.53	1135.53	<u>1125.53</u>	1108.53	1107.53	<u>696.31</u>	<u>599.26</u>
S	4	<u>476.25</u>	<u>459.25</u>	<u>458.25</u>	12	<u>1240.56</u>	1223.56	1222.56	<u>1212.56</u>	1195.56	1194.56	783.34	686.29
V	3	<u>389.21</u>	<u>372.21</u>	<u>371.21</u>	13	<u>1339.63</u>	1322.63	1321.63	<u>1311.63</u>	1294.63	1293.63	882.41	785.36
D	2	<u>290.15</u>	<u>273.15</u>	<u>272.15</u>	14	<u>1454.66</u>	1437.66	1436.66	<u>1426.66</u>	1409.66	1408.66	997.44	<u>900.39</u>
R	1	<u>175.12</u>	158.12	157.12	15	<u>1610.76</u>	1593.76	1592.76	<u>1582.76</u>	1565.76	1564.76	1153.54	1056.49

2+	#	y	y ⁺	y ^o	#	b	b ⁺	b ^o	a	a ⁺	a ^o	Pro	His
G	15	814.89	806.39	805.89	1	29.52	21.02	20.52	15.52	7.02	6.52		
A	14	<u>786.38</u>	777.88	777.38	2	65.04	56.54	56.04	51.04	42.54	42.04		
L	13	<u>750.86</u>	742.36	741.86	3	121.58	113.08	112.58	107.58	99.08	98.58		
T	12	<u>694.32</u>	685.82	685.32	4	<u>172.10</u>	163.60	163.10	158.11	149.61	149.11		
D	11	<u>643.79</u>	<u>635.29</u>	634.79	5	<u>229.62</u>	221.12	220.62	<u>215.62</u>	207.12	206.62		
P	10	<u>586.28</u>	577.78	577.28	6	<u>278.14</u>	269.64	269.14	<u>264.15</u>	255.65	255.15	49.53	
H	9	<u>537.75</u>	<u>529.25</u>	<u>528.75</u>	7	<u>346.67</u>	338.17	337.67	<u>332.67</u>	324.17	323.67	118.06	69.54
F	8	<u>469.22</u>	460.72	460.22	8	<u>420.21</u>	411.71	411.21	<u>406.21</u>	397.71	397.21	191.60	143.07
D	7	<u>395.69</u>	387.19	386.69	9	<u>477.72</u>	469.22	468.72	<u>463.72</u>	455.22	454.72	249.11	200.58
Q	6	<u>338.18</u>	<u>329.68</u>	<u>329.18</u>	10	<u>541.75</u>	<u>533.25</u>	<u>532.75</u>	<u>527.75</u>	<u>519.25</u>	<u>518.75</u>	<u>313.14</u>	<u>264.61</u>
A	5	<u>274.15</u>	265.65	265.15	11	<u>577.27</u>	568.77	568.27	<u>563.27</u>	554.77	554.27	<u>348.66</u>	<u>300.13</u>
S	4	<u>238.63</u>	<u>230.13</u>	<u>229.63</u>	12	<u>620.78</u>	612.28	611.78	<u>606.79</u>	598.29	597.79	392.18	<u>343.65</u>
V	3	<u>195.11</u>	186.61	186.11	13	<u>670.32</u>	661.82	661.32	<u>656.32</u>	647.82	647.32	<u>441.71</u>	393.18
D	2	145.58	137.08	136.58	14	<u>727.83</u>	719.33	718.83	<u>713.83</u>	705.33	704.83	<u>499.22</u>	450.70
R	1	88.06	79.56	79.06	15	<u>805.88</u>	797.38	796.88	<u>791.88</u>	783.38	782.88	577.27	<u>528.75</u>

3+	#	y	y ⁺	y ^o	#	b	b ⁺	b ^o	a	a ⁺	a ^o	Pro	His
G	15	543.59	537.93	537.59	1	20.01	14.35	14.01	10.68	5.02	4.68		
A	14	<u>524.59</u>	<u>518.92</u>	<u>518.59</u>	2	43.69	38.03	37.69	34.36	28.70	28.36		
L	13	<u>500.91</u>	<u>495.24</u>	<u>494.91</u>	3	81.39	75.72	75.39	72.06	66.39	66.06		
T	12	<u>463.21</u>	457.55	457.21	4	115.07	109.40	109.07	105.74	100.07	99.74		
D	11	<u>429.53</u>	423.86	423.53	5	153.41	147.75	147.41	144.08	138.42	138.08		
P	10	<u>391.19</u>	385.52	385.19	6	<u>185.76</u>	180.10	179.76	<u>176.43</u>	170.77	170.43	33.36	
H	9	<u>358.84</u>	353.17	352.84	7	<u>231.45</u>	<u>225.78</u>	<u>225.45</u>	<u>222.12</u>	216.45	216.12	79.05	46.69
F	8	<u>313.15</u>	307.48	307.15	8	<u>280.47</u>	274.81	274.47	<u>271.14</u>	265.48	265.14	128.07	95.72
D	7	<u>264.13</u>	258.46	258.13	9	<u>318.82</u>	<u>313.15</u>	<u>312.82</u>	<u>309.48</u>	303.82	303.48	<u>166.41</u>	134.06
Q	6	<u>225.79</u>	220.12	219.79	10	<u>361.50</u>	<u>355.84</u>	<u>355.50</u>	<u>352.17</u>	<u>346.50</u>	<u>346.17</u>	<u>209.10</u>	176.75
A	5	<u>183.10</u>	177.43	177.10	11	<u>385.18</u>	379.51	379.18	<u>375.85</u>	370.18	369.85	232.78	200.42
S	4	159.42	153.75	153.42	12	<u>414.19</u>	408.53	408.19	<u>404.86</u>	399.19	398.86	<u>261.79</u>	<u>229.44</u>
V	3	130.41	124.74	124.41	13	<u>447.21</u>	<u>441.55</u>	<u>441.21</u>	<u>437.88</u>	432.22	431.88	294.81	<u>262.46</u>
D	2	97.39	91.72	91.39	14	<u>485.56</u>	479.89	479.56	<u>476.23</u>	470.56	470.23	<u>333.15</u>	<u>300.80</u>
R	1	59.05	53.38	53.05	15	<u>537.59</u>	<u>531.92</u>	<u>531.59</u>	<u>528.26</u>	522.59	522.26	385.18	352.83

F. RRC04139 (1004)



MSVINACLQR GSTGYGVRRR LKKAALAGIF ALGIGCGAAA EPVTLAVGD SLTQCYGLDP DQGLVPQLQG WLRTR**GAEVT VINAGVSGDT**
TSSGRARLGG SLTPEIDAVM IALGGNDMLR GQPPAQARAN LDAMLSEVTA RDLFVALVGL KAPGNYGPDW QAGYDAIUPE LGAKYGAVVV
 PDLLAFIAAK TPEARAAEGL MQADNIHPSA RGVGLVVDAL GPKVLELLER VKPAP

Sort by: Sequence Position
[PepStat](#) GAEVTVINAGVSGDTTSSGR 76 - 95

GAEVTVINAGVSGDITSGGR

Calculated [M+H]⁺ 1847.91

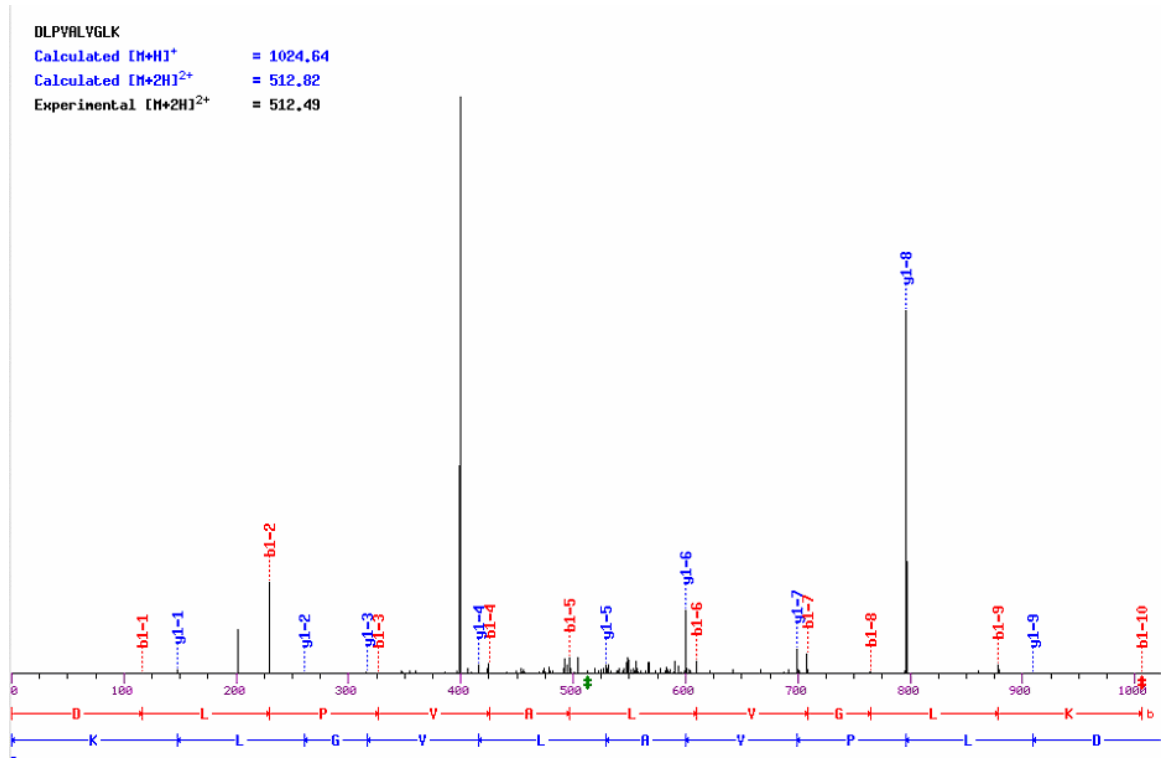
Calculated [M+2H]²⁺ 924.46

Experimental [M+2H]²⁺ 924.28

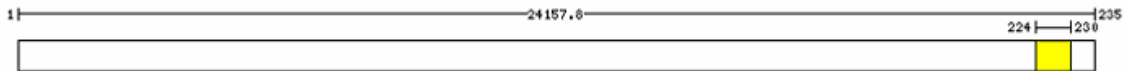
l+	#	y	y*	y°	#	b	b*	b°	a	a*	a°
G	20	1847.91	1830.91	1829.91	1	58.03	41.03	40.03	30.03	13.03	12.03
A	19	1790.89	1773.89	1772.89	2	129.07	112.07	111.07	101.07	84.07	83.07
E	18	1719.85	1702.85	1701.85	3	258.11	241.11	240.11	230.11	213.11	212.11
V	17	1590.81	1573.81	1572.81	4	357.18	340.18	339.18	329.18	312.18	311.18
T	16	1491.74	1474.74	1473.74	5	458.23	441.23	440.23	430.23	413.23	412.23
V	15	1390.69	1373.69	1372.69	6	557.29	540.29	539.29	529.30	512.30	511.30
I	14	1291.62	1274.62	1273.62	7	670.38	653.38	652.38	642.38	625.38	624.38
N	13	1178.54	1161.54	1160.54	8	784.42	767.42	766.42	756.43	739.43	738.43
A	12	1064.50	1047.50	1046.50	9	855.46	838.46	837.46	827.46	810.46	809.46
G	11	993.46	976.46	975.46	10	912.48	895.48	894.48	884.48	867.48	866.48
V	10	936.44	919.44	918.44	11	1011.55	994.55	993.55	983.55	966.55	965.55
S	9	837.37	820.37	819.37	12	1098.58	1081.58	1080.58	1070.58	1053.58	1052.58
G	8	750.34	733.34	732.34	13	1155.60	1138.60	1137.60	1127.61	1110.61	1109.61
D	7	693.32	676.32	675.32	14	1270.63	1253.63	1252.63	1242.63	1225.63	1224.63
T	6	578.29	561.29	560.29	15	1371.68	1354.68	1353.68	1343.68	1326.68	1325.68
T	5	477.24	460.24	459.24	16	1472.72	1455.72	1454.72	1444.73	1427.73	1426.73
S	4	376.19	359.19	358.19	17	1559.76	1542.76	1541.76	1531.76	1514.76	1513.76
G	3	289.16	272.16	271.16	18	1616.78	1599.78	1598.78	1588.78	1571.78	1570.78
G	2	232.14	215.14	214.14	19	1673.80	1656.80	1655.80	1645.80	1628.80	1627.80
R	1	175.12	158.12	157.12	20	1829.90	1812.90	1811.90	1801.90	1784.90	1783.90

2+	#	y	y*	y°	#	b	b*	b°	a	a*	a°
G	20	<u>924.46</u>	<u>915.96</u>	<u>915.46</u>	1	29.52	21.02	20.52	15.52	7.02	6.52
A	19	<u>895.95</u>	887.45	886.95	2	65.04	56.54	56.04	51.04	42.54	42.04
E	18	<u>860.43</u>	851.93	851.43	3	129.56	121.06	120.56	115.56	107.06	106.56
V	17	<u>795.91</u>	787.41	786.91	4	179.09	170.59	170.09	165.10	156.60	156.10
T	16	<u>746.37</u>	<u>737.87</u>	<u>737.37</u>	5	229.62	221.12	220.62	215.62	207.12	206.62
V	15	<u>695.85</u>	687.35	686.85	6	279.15	270.65	270.15	265.15	256.65	256.15
I	14	<u>646.32</u>	<u>637.82</u>	<u>637.32</u>	7	<u>335.69</u>	<u>327.19</u>	<u>326.69</u>	<u>321.70</u>	313.20	312.70
N	13	<u>589.77</u>	581.27	580.77	8	<u>392.71</u>	<u>384.21</u>	<u>383.71</u>	<u>378.72</u>	370.22	369.72
A	12	<u>532.75</u>	524.25	523.75	9	<u>428.23</u>	<u>419.73</u>	<u>419.23</u>	<u>414.24</u>	405.74	405.24
G	11	<u>497.23</u>	488.73	488.23	10	<u>456.74</u>	<u>448.24</u>	<u>447.74</u>	<u>442.75</u>	434.25	433.75
V	10	<u>468.72</u>	460.22	459.72	11	<u>506.28</u>	<u>497.78</u>	<u>497.28</u>	<u>492.28</u>	483.78	483.28
S	9	<u>419.19</u>	410.69	410.19	12	<u>549.79</u>	<u>541.29</u>	<u>540.79</u>	<u>535.80</u>	527.30	526.80
G	8	<u>375.67</u>	367.17	366.67	13	<u>578.30</u>	<u>569.80</u>	<u>569.30</u>	<u>564.31</u>	<u>555.81</u>	555.31
D	7	<u>347.16</u>	338.66	338.16	14	<u>635.82</u>	<u>627.32</u>	<u>626.82</u>	<u>621.82</u>	613.32	612.82
T	6	<u>289.65</u>	281.15	280.65	15	<u>686.34</u>	<u>677.84</u>	<u>677.34</u>	<u>672.34</u>	663.84	663.34
T	5	239.13	230.63	230.13	16	<u>736.87</u>	<u>728.37</u>	<u>727.87</u>	<u>722.87</u>	714.37	713.87
S	4	188.60	180.10	179.60	17	<u>780.38</u>	<u>771.88</u>	<u>771.38</u>	<u>766.38</u>	<u>757.88</u>	<u>757.38</u>
G	3	145.09	136.59	136.09	18	<u>808.89</u>	<u>800.39</u>	<u>799.89</u>	<u>794.89</u>	<u>786.39</u>	<u>785.89</u>
G	2	116.57	108.07	107.57	19	<u>837.40</u>	<u>828.90</u>	<u>828.40</u>	<u>823.41</u>	814.91	814.41
R	1	88.06	79.56	79.06	20	<u>915.45</u>	<u>906.95</u>	<u>906.45</u>	<u>901.46</u>	892.96	892.46

G. RRC04139 (1004)



Header: rrc04139, ACYL-COA THIOESTERASE I PRECURSOR (EC 3.1.2.-) 130322:131026 reverse MW:24158
Avg Mass: 24157.8 **Coverage:** 7/235 = 3.0% by amino acid count, 871.0/24157.8 = 3.6% by mass



MSVIWAQLQR GSTGYGVRRL LGKAALAGIF ALGIGGGAAA EPVTLAVGD SLTQGYGLDP DQGLVPQLQG WLRTRGA EVT VINAGVSGDT
 TSGGRARLQW SLTPEIDAVM IALGGNDMLR GPPAQARAN LDAMLSEVTA RDLPVALVGL KAPGNYGPDW QAGYDAIWPE LGAKYGAVV
 PDLLAPIAAK TPEARAAEGL MQADNIHPSA RGVGLVVDAL GPK**VLELLER** VKPAP

Sort by: Sequence Position
 PepStat **VLELLER** 224 - 230

DLPVALVGLK

Calculated [M+H]⁺ 1024.64

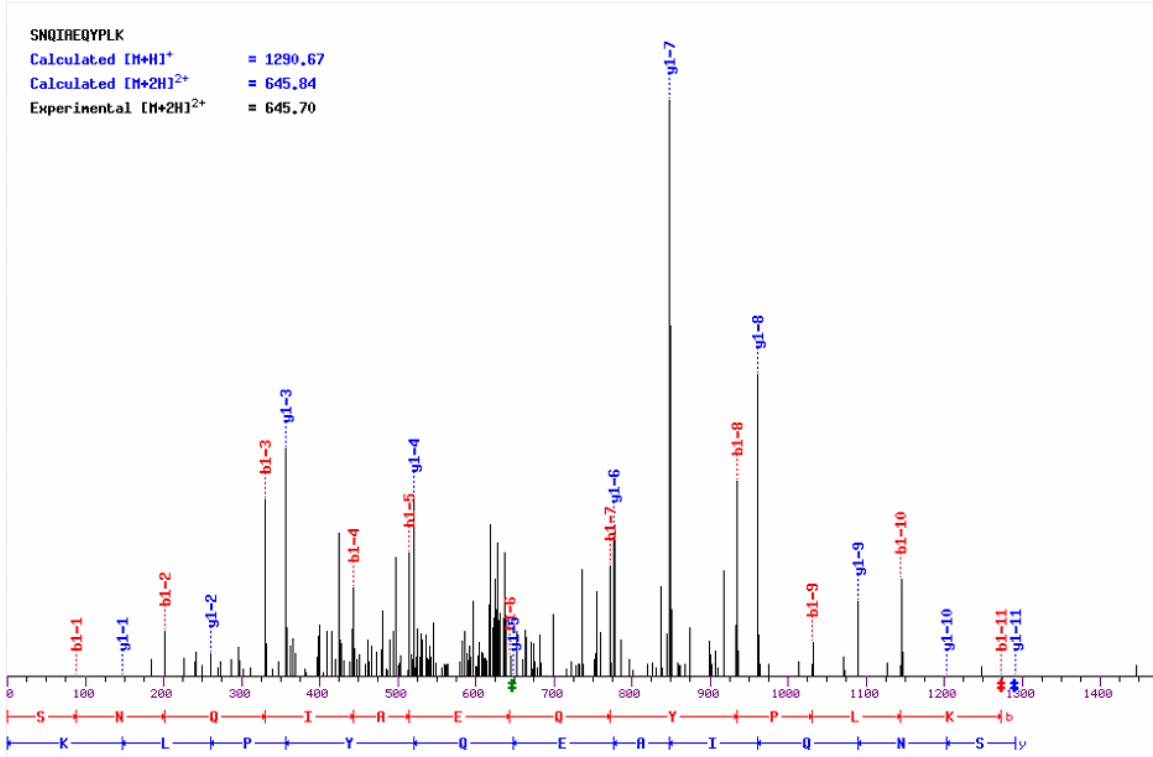
Calculated [M+2H]²⁺ 512.82

Experimental [M+2H]²⁺ 512.49

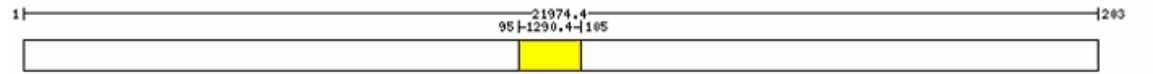
1+	#	y	y*	y°	#	b	b*	b°	a	a*	a°	Pro
D	10	<u>1024.64</u>	1007.64	1006.64	1	116.03	99.03	98.03	88.04	71.04	70.04	
L	9	<u>909.61</u>	892.61	891.61	2	<u>229.12</u>	<u>212.12</u>	<u>211.12</u>	<u>201.12</u>	184.12	183.12	
P	8	<u>796.53</u>	779.53	778.53	3	<u>326.17</u>	309.17	308.17	<u>298.18</u>	281.18	280.18	98.06
V	7	<u>699.48</u>	682.48	681.48	4	<u>425.24</u>	408.24	<u>407.24</u>	<u>397.25</u>	380.25	379.25	197.13
A	6	<u>600.41</u>	583.41	582.41	5	<u>496.28</u>	479.28	<u>478.28</u>	<u>468.28</u>	451.28	450.28	268.17
L	5	<u>529.37</u>	512.37	511.37	6	<u>609.36</u>	592.36	591.36	<u>581.37</u>	564.37	563.37	381.25
V	4	<u>416.29</u>	399.29	398.29	7	<u>708.43</u>	691.43	<u>690.43</u>	<u>680.43</u>	663.43	662.43	480.32
G	3	<u>317.22</u>	300.22	299.22	8	<u>765.45</u>	748.45	747.45	<u>737.46</u>	720.46	719.46	537.34
L	2	<u>260.20</u>	243.20	242.20	9	<u>878.54</u>	861.54	<u>860.54</u>	<u>850.54</u>	833.54	832.54	650.42
K	1	<u>147.11</u>	130.11	129.11	10	<u>1006.63</u>	989.63	988.63	<u>978.64</u>	961.64	960.64	778.52

2+	#	y	y*	y°	#	b	b*	b°	a	a*	a°	Pro
D	10	<u>512.82</u>	<u>504.32</u>	<u>503.82</u>	1	58.52	50.02	49.52	44.52	36.02	35.52	
L	9	<u>455.31</u>	446.81	446.31	2	115.06	106.56	106.06	101.07	92.57	92.07	
P	8	<u>398.77</u>	390.27	389.77	3	<u>163.59</u>	155.09	154.59	<u>149.59</u>	141.09	140.59	49.53
V	7	<u>350.24</u>	341.74	341.24	4	<u>213.12</u>	204.62	204.12	<u>199.13</u>	190.63	190.13	99.07
A	6	<u>300.71</u>	292.21	291.71	5	<u>248.64</u>	240.14	239.64	<u>234.65</u>	226.15	225.65	134.59
L	5	<u>265.19</u>	256.69	256.19	6	<u>305.18</u>	296.68	296.18	<u>291.19</u>	282.69	282.19	191.13
V	4	<u>208.65</u>	<u>200.15</u>	<u>199.65</u>	7	<u>354.72</u>	<u>346.22</u>	<u>345.72</u>	<u>340.72</u>	332.22	331.72	240.66
G	3	<u>159.11</u>	150.61	150.11	8	<u>383.23</u>	374.73	374.23	<u>369.23</u>	360.73	360.23	269.17
L	2	130.60	122.10	121.60	9	<u>439.77</u>	431.27	430.77	<u>425.77</u>	<u>417.27</u>	<u>416.77</u>	325.72
K	1	74.06	65.56	65.06	10	<u>503.82</u>	<u>495.32</u>	<u>494.82</u>	<u>489.82</u>	481.32	480.82	389.76

H. RRC00485 (7003)



Header: rrc00485, OUTER MEMBRANE LIPOPROTEINS CARRIER PROTEIN PRECURSOR S 451709:452317 reverse MW:21974
Avg Mass: 21974.4 **Coverage:** 11/203 = 5.4% by amino acid count, 1290.4/21974.4 = 5.9% by mass



MIQMRFAPVA ALLPVLMLAL AAPAWAEKIP LAQLSAYLNG LTTAAEAFTQ VNADGSKSTG KLYLKRPGRM RFEYSDDDTL VLASGGQVAI
 FDPKSNQIAE QYPLKRTPLN LILADRIDLA QARMVVGHEA EGANTAVVAQ DPQNPDYGTI RLVFSANPVT LRRWVITDDT GAKTVVILDQ
 LKPGVDPGPL MFSIVAETEA RKN

Sort by: Sequence Position
 PepStat SNQIAEQYPLK 95 - 105

SNQIAEQYPLK

Calculated [M+H]⁺ 1290.67

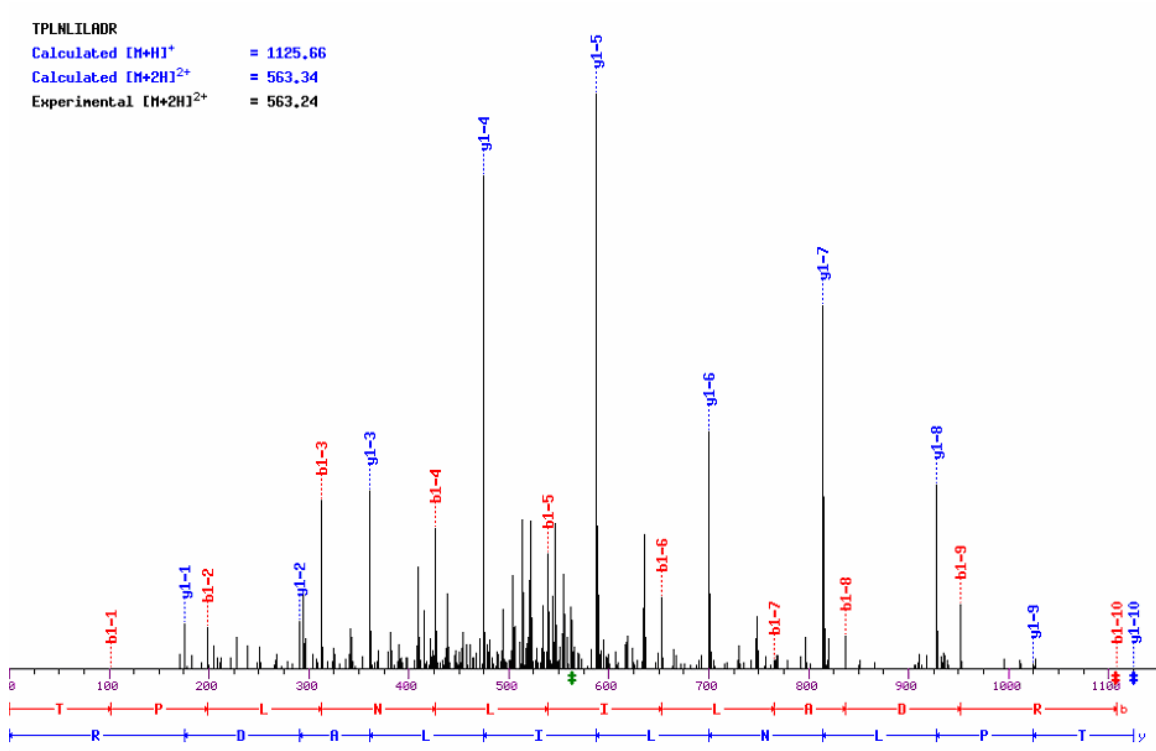
Calculated [M+2H]²⁺ 645.84

Experimental [M+2H]²⁺ 645.70

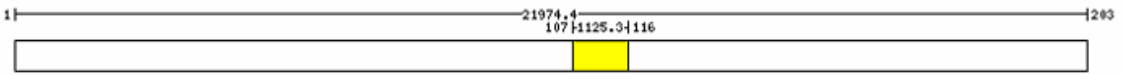
1+ #	y	y*	y°	#	b	b*	b°	a	a*	a°	Pro
S 11	<u>1290.67</u>	1273.67	1272.67	1	88.04	71.04	70.04	60.04	43.04	42.04	
N 10	<u>1203.64</u>	1186.64	1185.64	2	<u>202.08</u>	185.08	<u>184.08</u>	174.09	157.09	156.09	
Q 9	<u>1089.59</u>	<u>1072.59</u>	<u>1071.59</u>	3	<u>330.14</u>	313.14	<u>312.14</u>	<u>302.15</u>	285.15	284.15	
I 8	<u>961.54</u>	944.54	943.54	4	<u>443.23</u>	<u>426.23</u>	<u>425.23</u>	<u>415.23</u>	<u>398.23</u>	<u>397.23</u>	
A 7	<u>848.45</u>	831.45	830.45	5	<u>514.26</u>	<u>497.26</u>	<u>496.26</u>	<u>486.27</u>	469.27	468.27	
E 6	<u>777.41</u>	<u>760.41</u>	<u>759.41</u>	6	<u>643.31</u>	<u>626.31</u>	<u>625.31</u>	<u>615.31</u>	598.31	597.31	
Q 5	<u>648.37</u>	<u>631.37</u>	<u>630.37</u>	7	<u>771.36</u>	<u>754.36</u>	<u>753.36</u>	<u>743.37</u>	726.37	725.37	
Y 4	<u>520.31</u>	503.31	502.31	8	<u>934.43</u>	<u>917.43</u>	<u>916.43</u>	<u>906.43</u>	889.43	888.43	
P 3	<u>357.25</u>	340.25	339.25	9	<u>1031.48</u>	<u>1014.48</u>	<u>1013.48</u>	<u>1003.48</u>	986.48	985.48	98.06
L 2	<u>260.20</u>	243.20	<u>242.20</u>	10	<u>1144.56</u>	1127.56	<u>1126.56</u>	<u>1116.57</u>	1099.57	1098.57	211.14
K 1	147.11	130.11	129.11	11	<u>1272.66</u>	1255.66	<u>1254.66</u>	<u>1244.66</u>	1227.66	1226.66	339.24

2+ #	y	y*	y°	#	b	b*	b°	a	a*	a°	Pro
S 11	<u>645.84</u>	<u>637.34</u>	<u>636.84</u>	1	44.52	36.02	35.52	30.53	22.03	21.53	
N 10	<u>602.32</u>	593.82	593.32	2	101.55	93.05	92.55	87.55	79.05	78.55	
Q 9	<u>545.30</u>	<u>536.80</u>	<u>536.30</u>	3	165.57	157.07	156.57	151.58	143.08	142.58	
I 8	<u>481.27</u>	472.77	472.27	4	<u>222.12</u>	<u>213.62</u>	<u>213.12</u>	<u>208.12</u>	199.62	199.12	
A 7	<u>424.73</u>	416.23	415.73	5	<u>257.64</u>	249.14	248.64	<u>243.64</u>	235.14	234.64	
E 6	<u>389.21</u>	380.71	380.21	6	<u>322.16</u>	313.66	313.16	<u>308.16</u>	299.66	299.16	
Q 5	<u>324.69</u>	316.19	315.69	7	<u>386.19</u>	377.69	377.19	<u>372.19</u>	<u>363.69</u>	<u>363.19</u>	
Y 4	<u>260.66</u>	252.16	251.66	8	<u>467.72</u>	459.22	458.72	<u>453.72</u>	<u>445.22</u>	<u>444.72</u>	
P 3	179.13	170.63	170.13	9	<u>516.24</u>	507.74	507.24	<u>502.25</u>	493.75	493.25	49.53
L 2	130.60	122.10	121.60	10	<u>572.79</u>	564.29	563.79	<u>558.79</u>	550.29	549.79	106.08
K 1	74.06	65.56	65.06	11	<u>636.83</u>	<u>628.33</u>	<u>627.83</u>	<u>622.84</u>	614.34	613.84	170.12

I. RRC00485 (7003)



Header: rrc00485, OUTER MEMBRANE LIPOPROTEINS CARRIER PROTEIN PRECURSOR S 451709:452317 reverse MW:21974
Avg Mass: 21974.4 **Coverage:** 10/203 = 4.9% by amino acid count, 1125.3/21974.4 = 5.1% by mass



MIQMRFAPVA ALLPVLMLAL AAPAWAEKIP LAQLSAYLNG LTTAEAAFTQ VNADGSKSTG KLYLKRPGRM RFEYSDDDTL VLASGGQVAI
 FDPKSNQIAE QYPLKRTPLN LILADRIDL A QARMVVGHEA EGANTAVVAQ DPQNPDYGTI RLVFSANPVT LRRWVITDDT GAKTIVILDQ
 LKPGVDPGPI MFSIVAETEA RKN

Sort by: **Sequence** **Position**
 PepStat TPLNLILADR 107 - 116

TPLNLILADR

Calculated [M+H]⁺ 1125.66

Calculated [M+2H]²⁺ 563.34

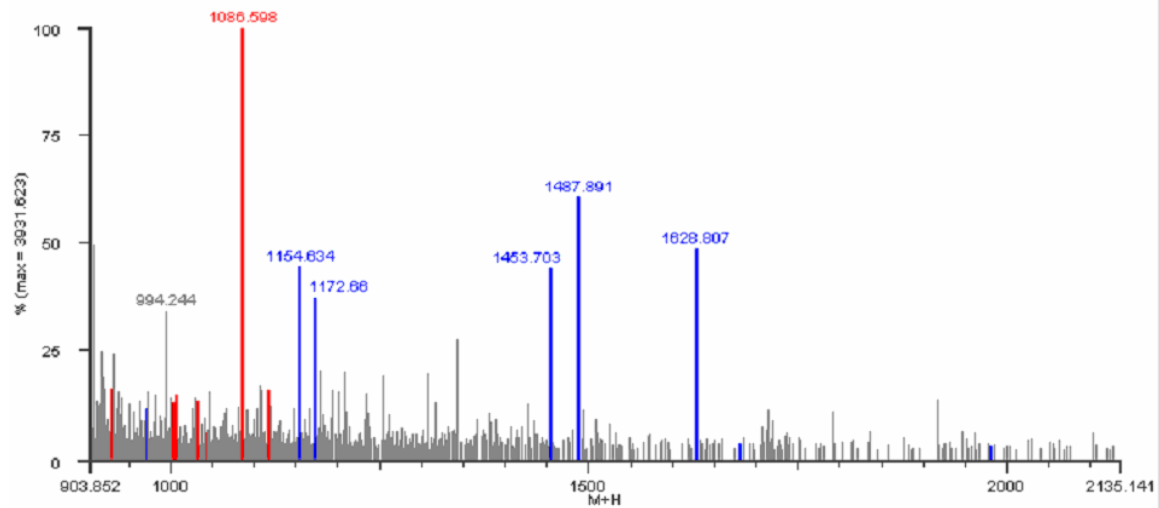
Experimental [M+2H]²⁺ 563.24

1+ #	y	y [*]	y [°]	#	b	b [*]	b [°]	a	a [*]	a [°]	Pro
T 10	<u>1125.66</u>	1108.66	1107.66	1	102.06	85.06	84.06	74.06	57.06	56.06	
P 9	<u>1024.62</u>	1007.62	1006.62	2	<u>199.11</u>	<u>182.11</u>	<u>181.11</u>	<u>171.11</u>	154.11	153.11	98.06
L 8	<u>927.56</u>	<u>910.56</u>	<u>909.56</u>	3	<u>312.19</u>	<u>295.19</u>	<u>294.19</u>	<u>284.20</u>	<u>267.20</u>	<u>266.20</u>	<u>211.14</u>
N 7	<u>814.48</u>	<u>797.48</u>	<u>796.48</u>	4	<u>426.24</u>	<u>409.24</u>	<u>408.24</u>	<u>398.24</u>	<u>381.24</u>	<u>380.24</u>	<u>325.19</u>
L 6	<u>700.44</u>	683.44	682.44	5	<u>539.32</u>	<u>522.32</u>	<u>521.32</u>	<u>511.32</u>	494.32	493.32	<u>438.27</u>
I 5	<u>587.35</u>	570.35	569.35	6	<u>652.40</u>	<u>635.40</u>	<u>634.40</u>	<u>624.41</u>	607.41	606.41	551.36
L 4	<u>474.27</u>	457.27	456.27	7	<u>765.49</u>	<u>748.49</u>	<u>747.49</u>	<u>737.49</u>	720.49	719.49	<u>664.44</u>
A 3	<u>361.18</u>	344.18	<u>343.18</u>	8	<u>836.52</u>	<u>819.52</u>	<u>818.52</u>	<u>808.53</u>	791.53	790.53	735.48
D 2	<u>290.15</u>	273.15	272.15	9	<u>951.55</u>	<u>934.55</u>	<u>933.55</u>	<u>923.56</u>	<u>906.56</u>	905.56	<u>850.50</u>
R 1	<u>175.12</u>	158.12	157.12	10	<u>1107.65</u>	<u>1090.65</u>	<u>1089.65</u>	<u>1079.66</u>	1062.66	1061.66	1006.60

2+ #	y	y [*]	y [°]	#	b	b [*]	b [°]	a	a [*]	a [°]	Pro
T 10	<u>563.34</u>	<u>554.84</u>	<u>554.34</u>	1	51.53	43.03	42.53	37.53	29.03	28.53	
P 9	<u>512.81</u>	<u>504.31</u>	<u>503.81</u>	2	100.06	91.56	91.06	86.06	77.56	77.06	49.53
L 8	<u>464.29</u>	455.79	455.29	3	156.60	148.10	147.60	142.60	134.10	133.60	106.08
N 7	<u>407.74</u>	399.24	398.74	4	<u>213.62</u>	<u>205.12</u>	<u>204.62</u>	<u>199.62</u>	191.12	190.62	163.10
L 6	<u>350.72</u>	<u>342.22</u>	<u>341.72</u>	5	<u>270.16</u>	261.66	261.16	<u>256.17</u>	247.67	247.17	<u>219.64</u>
I 5	<u>294.18</u>	285.68	285.18	6	<u>326.71</u>	318.21	317.71	<u>312.71</u>	304.21	303.71	276.18
L 4	<u>237.64</u>	<u>229.14</u>	<u>228.64</u>	7	<u>383.25</u>	374.75	374.25	<u>369.25</u>	<u>360.75</u>	<u>360.25</u>	332.72
A 3	<u>181.10</u>	172.60	<u>172.10</u>	8	<u>418.77</u>	<u>410.27</u>	<u>409.77</u>	<u>404.77</u>	396.27	395.77	368.24
D 2	145.58	137.08	136.58	9	<u>476.28</u>	467.78	467.28	<u>462.28</u>	453.78	453.28	<u>425.76</u>
R 1	88.06	79.56	79.06	10	<u>554.33</u>	<u>545.83</u>	<u>545.33</u>	<u>540.33</u>	531.83	531.33	<u>503.81</u>

SUPPLEMENTAL FIGURE 2.

A. RRC03108 (2501)



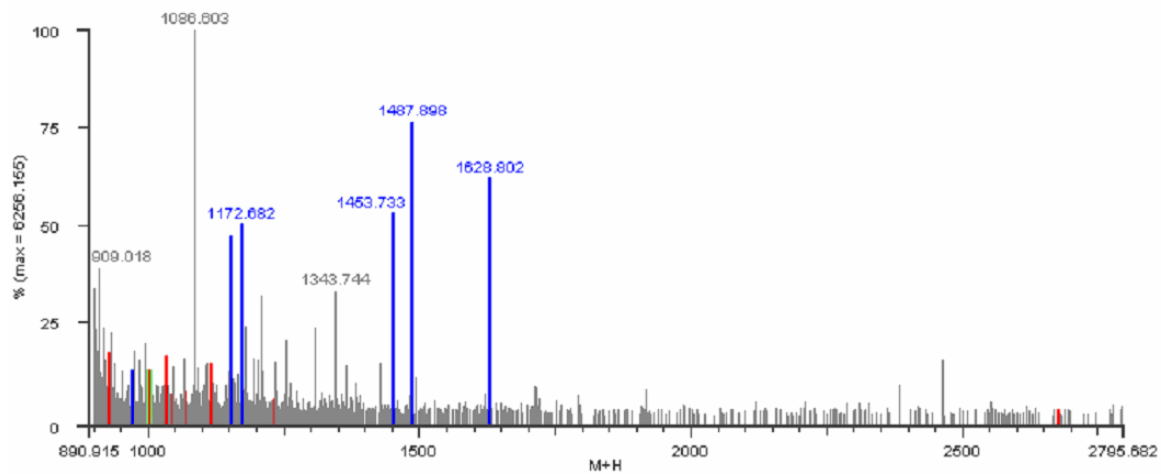
RRC03108, Coverage Map

1	MILRAPFRIL	AAVVLAVLSA	LPAAAIETE	VTSPGGIKAW	LVEAHDIPFT
51	ALEIRFRGGA	SLDEPGKRG	TNLMATLEE	GSADLDSQGF	AAAEALAAAS
101	FKFDVDDTL	SISARMLTEN	RDKAVDLLRG	ALTDPHFDQA	SVDRVRGQVL
151	SIIASETQDP	QALAGEAFRK	LAYGDHPYGT	SLNGTLDVQ	ALTREDMFTA
201	KARVMARDRL	VVSAVGDITA	ADLGPLLDRL	LGDLPATGAP	LPPRADLALT
251	GGVTVPFDT	PQATVIFGEQ	GLAMSDPDF	PAYVFNEILG	AGGFSSRLME
301	EVREKRGLTY	GIYTYLVPK	LAETWQGSFA	SANGKVAEAI	EIVKAEWARA
351	ASGKVDREL	ADAKTYLTGA	YPLRFDGNGN	IADILAGMQL	NGLPVDYINT
401	RNDKVTAVTK	DDIARVAQRL	IKAEGLRFVV	VGQPEGLK	



Submitted Mass	mW	Delta	Delta (ppm)	Score	Start	End	Sequence
1003.564	1002.58	0.024	23.733	-0.512	1	8	(-)MILRAPFR(I)
1981.001	1980.047	0.054	27.194	-0.1	39	55	(K)AWLVEAHDIPFTALEIR(F)
1233.588	1232.615	0.035	28.239	-0.593	56	67	(R)FRGGASLDEPGK(R)
1086.598	1085.547	-0.043	-39.796	-0.18	58	68	(R)GGASLDEPGKR(G)
1453.703	1452.673	-0.022	-15.27	2.975	103	115	(K)FDVDDTLSISAR(M)
1006.487	1005.491	0.012	11.756	0.407	116	123	(R)MLTENRDK(A)
929.559	928.534	-0.017	-18.525	0.37	122	129	(R)DKAVDLLR(G)
1628.807	1627.759	-0.04	-24.688	2.059	130	144	(R)GALTDPHFDQASVDR(V)
1068.541	1067.507	-0.026	-24.538	-0.616	195	203	(R)EDMFTAKAR(V)
1487.891	1486.851	-0.032	-21.637	2.273	230	244	(R)LLGDLPATGAPLPPR(A)
1033.539	1032.527	-0.004	-3.991	-0.05	298	305	(R)LMEEVREK(R)
1681.773	1680.774	0.009	5.278	-0.443	320	335	(K)DLAETWQGSFASANGK(V)
971.604	970.57	-0.026	-26.977	-0.187	336	344	(K)VAEAIIVK(A)
1117.592	1116.578	-0.006	-5.571	0.326	355	364	(K)VDRELADAK(T)
1154.634	1153.613	-0.013	-11.454	3.031	365	374	(K)TYLTGAYPLR(F)
975.586	974.54	-0.018	-18.633	-0.607	402	410	(R)NDKVTAVTK(D)
1043.573	1042.552	-0.013	-12.64	-0.564	411	419	(K)DDIARVAQR(L)
1172.66	1171.66	0.008	6.645	0.559	428	438	(R)FWVGQPEGLK(-)

B. RRC03108 (1506)



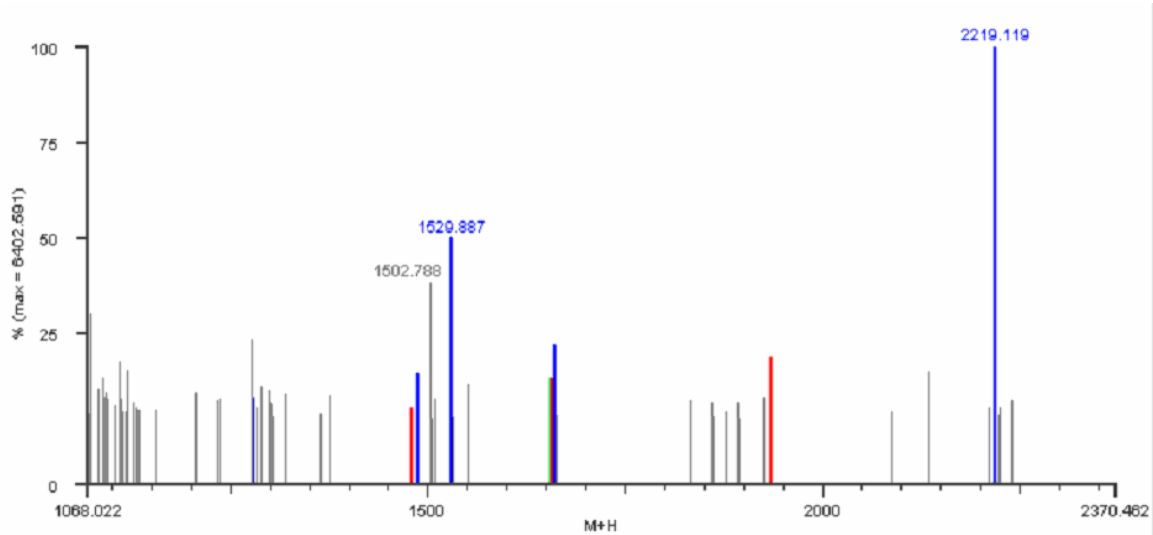
RRC03108, Coverage Map

1	MILRAPFRIL	AAVVLAVLSA	LPAAAIETE	VTSPGGIKAW	LVEAHDIPFT
51	ALEIRFRGGA	SLDEPGKRG	TNLMTATLEE	GSADLDSQGF	AAAQEALAAS
101	FKFDVDDDTL	SISARMLTEN	RDKAVDLLRG	ALTDPHFDQA	SVDRVGRQVL
151	SIIASETQDP	QALAGEAFRK	LAYGDHPYGT	SLNGTLDSVQ	ALTREDMFTA
201	KARVMARDRL	VSAVGDITA	ADLGPLDRL	LGDLPATGAP	LPPRADLALT
251	GGVTVPVFDT	PQATVIFGEQ	GLAMSDPFF	PAYVFNEILG	AGGFSSRLME
301	EVREKRGLTY	GIYTYLVPKD	LAETWQGSFA	SANGKVAEAI	EIVKAEWARA
351	ASGKVTDREL	ADAKTYLTGA	YPLRFDGNGN	IADILAGMQL	NGLPVDYINT
401	RNDKVTAVTK	DDIARVAQRL	IKAEGLRFVV	VGQPEGLK	



Submitted Mass	mW	Delta	Delta (ppm)	Score	Start	End	Sequence
1003.59	1002.58	-0.002	-2.201	-0.739	1	8	(-)MILRAPFR(I)
1233.655	1232.615	-0.032	-26.13	-0.895	56	67	(R)FRGGASLDEPGK(R)
1453.733	1452.673	-0.052	-35.941	2.794	103	115	(K)FDVDDDTLSISAR(M)
1006.487	1005.491	0.012	11.756	0.049	116	123	(R)MLTENRDK(A)
929.557	928.534	-0.015	-16.355	0.315	122	129	(R)DKAVDLLR(G)
1628.802	1627.759	-0.035	-21.613	3.101	130	144	(R)GALTDPHFDQASVDR(V)
2677.465	2676.351	-0.106	-39.705	-0.821	170	194	(R)KLAYGDHPYGTSLNGTLDSVQALTR(E)
1068.524	1067.507	-0.009	-8.644	-0.857	195	203	(R)EDMFTAKAR(V)
1487.898	1486.851	-0.039	-26.316	3.245	230	244	(R)LLGDLPATGAPLPPR(A)
1033.552	1032.527	-0.017	-16.64	0.004	298	305	(R)LMEEVREK(R)
971.606	970.57	-0.028	-29.052	-0.208	336	344	(K)VAEAIEMK(A)
1117.616	1116.578	-0.03	-26.999	-0.072	355	364	(K)VTDRELADAK(T)
1154.652	1153.613	-0.031	-27.008	2.526	365	374	(K)TYLTGAYPLR(F)
975.553	974.54	-0.005	-5.293	-0.89	402	410	(R)NDKVTAVTK(D)
1043.585	1042.552	-0.025	-24.114	-0.824	411	419	(K)DDIARVAQRL(L)
1172.682	1171.66	-0.014	-12.108	1.421	428	438	(R)FVWGQPEGLK(-)

C. RRC01299 (208)



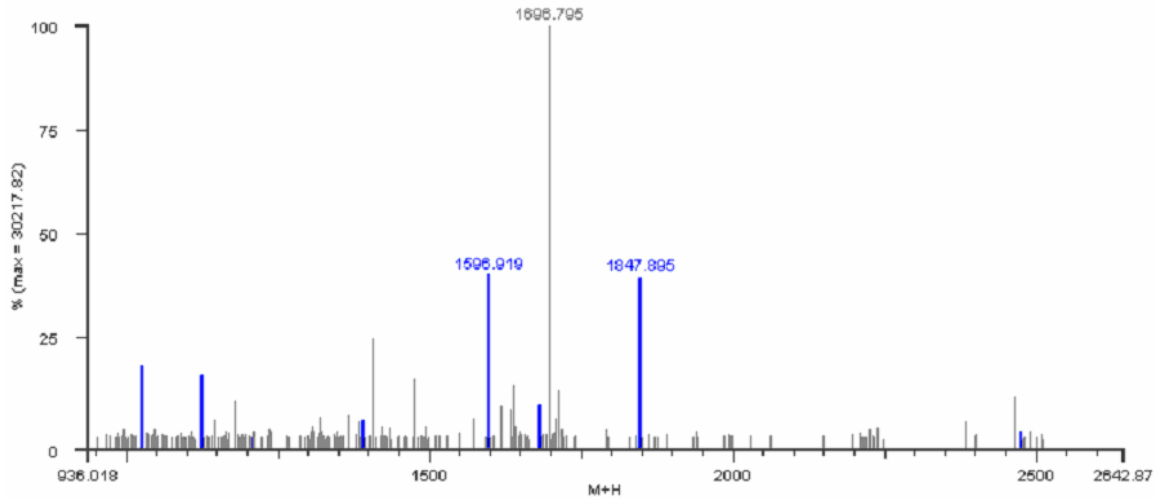
RRC01299, Coverage Map

1	MTKALKRAAL	SALALLAASS	AATAAPDEIT	VAWFLEWPLP	FEQAKVDGTF
51	EKELGVKVNW	RAFDTGVAMS	AAAAAGDVQF	LISQGVPPFV	TATSAGQDLK
101	AIAIAVSYSE	NDNCVVRKDL	EITKENAKDL	IGRKVGVPLG	TAAHYGFLKQ
151	LEHFGLEASQ	LQVVDLTTPD	AAAAIAQGNI	DVFCGWGGAL	ARAKDYGNVL
201	LTGAEKEEAG	IRVFDVISTP	GAFAAENPDL	VTRFLKVVMQ	ENAAYLADPD
251	RFIPVLAKDS	GLDEAGTRAQ	LAGFALPTIE	EKLSDKWLGG	GLQAYLKSVQ
301	DFVVTQNIQ	AALESYEGAV	DASYLEAASK	L	



Submitted Mass	mW	Delta	Delta (ppm)	Score	Start	End	Sequence
1657.952	1656.935	-0.009	-5.556	-0.037	134	149	(R)KVGVPPLGTAAHYGFLK(Q)
1529.887	1528.84	-0.039	-25.602	1.218	135	149	(K)VGVPPLGTAAHYGFLK(Q)
1478.793	1477.778	-0.007	-4.837	-0.249	193	206	(R)AKDYGNVLLTGAEK(E)
1279.702	1278.646	-0.048	-37.7	0.038	195	206	(K)DYGNVLLTGAEK(E)
1935	1933.974	-0.018	-9.4	0.798	195	212	(K)DYGNVLLTGAEKEEAGIR(V)
2219.119	2218.127	0.016	7.179	3.965	213	233	(R)VFDVISTPGAFAAENPDLVTR(F)
1661.818	1660.769	-0.041	-24.791	2.003	237	251	(K)VVNDENAAYLADPDR(F)
1487.848	1486.803	-0.037	-25.021	0.35	269	282	(R)AQLAGFALPTIEEK(L)

D. RRC04139 (1004)



RRC04139, Coverage Map

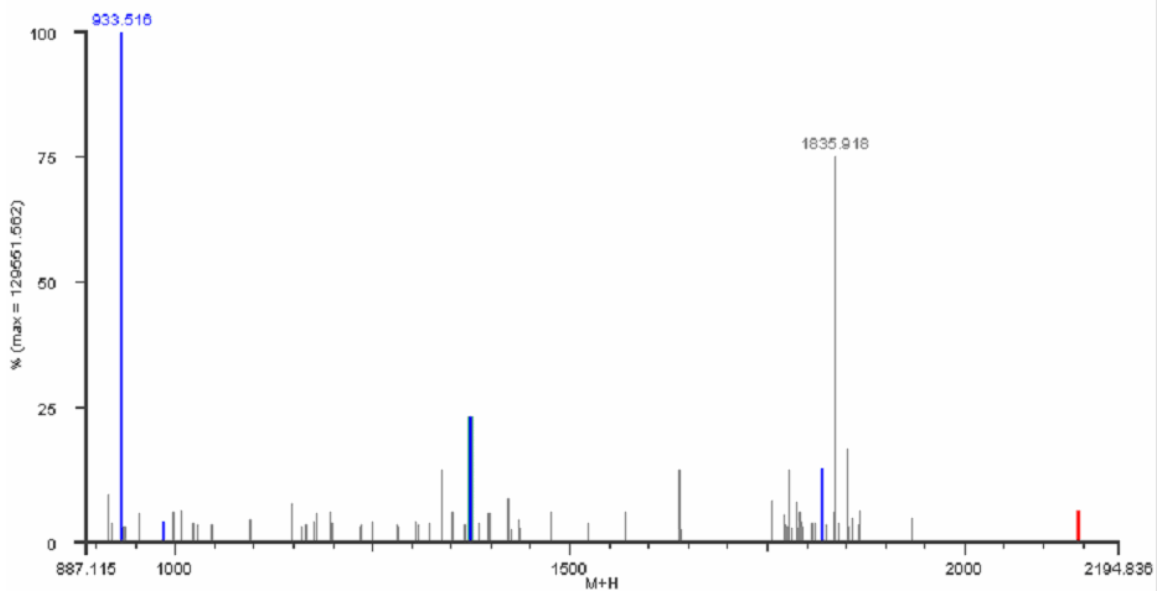
```

1      MSVIWACLQR      GSTGYGVRRR      LGKAALAGIF      ALGIGGGAAA      EPVTLLAVGD
51     SLTQGYGLDP      DQGLVPQLQG      WLRTRGAEVT      VINAGVSGDT      TSGGRARLGW
101    SLTPEIDAVM      IALGGNDMLR      GPPPAQARAM      LDAMLSEVTA      RDLPVAVLGL
151    KAPGNYGPDW      QAGYDAIWPE      LGAKYGAVVV      PDLLAPIAAK      TPEARAAEGL
201    MQADNIHPSA      RGVGLVVDAL      GPKVLELLER      VKPAP
  
```



Submitted Mass	mW	Delta	Delta (ppm)	Score	Start	End	Sequence
1206.628	1205.605	-0.015	-12.634	-0.816	1	10	(-)MSVIWACLQR(G)
1847.895	1846.902	0.015	8.014	3.918	76	95	(R)GAEVTVINAGVSGDTTSGGR(A)
1390.697	1389.692	0.003	2.014	1.63	129	141	(R)ANLDAMLSEVTAR(D)
1024.678	1023.633	-0.037	-36.299	0.915	142	151	(R)DLPVALVGLK(A)
2476.125	2475.149	0.032	12.856	-0.904	152	174	(K)APGNYGPDWQAGYDAIWPELGAK(Y)
1596.919	1595.929	0.018	11.2	2.017	175	190	(K)YGAVVVPDLLAPIAAK(T)
1680.877	1679.805	-0.064	-38.177	0.523	196	211	(R)AAEGLMQADNIHPSAR(G)
1124.678	1123.66	-0.01	-9.04	0.866	212	223	(R)GVGLWDALGPK(V)

E. RRC02811 (5002)



RRC02811, Coverage Map

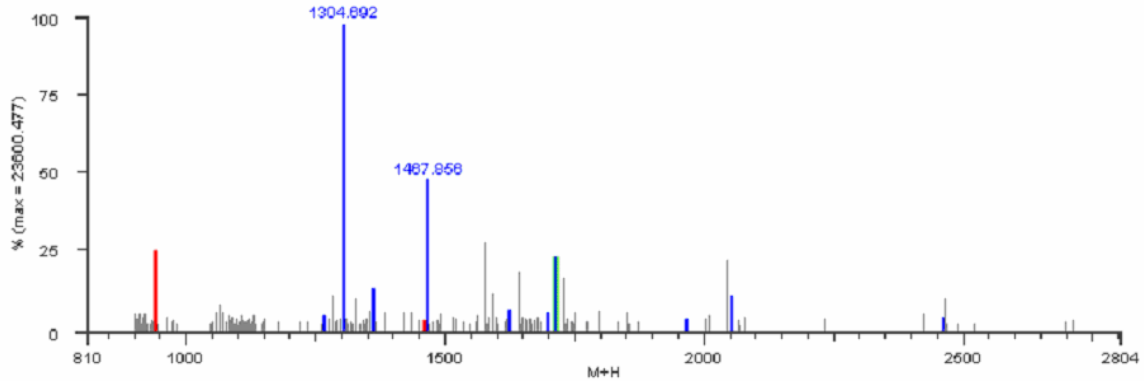
```

1      MKLKLMAAAV      LTGFGAFAAP      AARATEAAAP      SFTFASIEGG      VIDTAAAYRGH
51     PVLVVNTASL      CGFTPQLEGL      QALHKAWGPK      GLIVLAVPSD      DFKQELES GK
101    EVSEFCTLTY      GLTVPMDIT      PVLGEGAHPP      FKWLKETQGF      VPRWVFMKVL
151    LDGEGRVVAT      WGSMTKPES      AIRAAFEPLL      PGA
  
```



Submitted Mass	mW	Delta	Delta (ppm)	Score	Start	End	Sequence
1373.756	1372.76	0.012	8.624	2.22	81	93	(K)GLIVLAVPSDDFK(Q)
2145.103	2144.136	0.041	19.026	-1.382	81	100	(K)GLIVLAVPSDDFKQELES GK(E)
933.516	932.471	-0.037	-39.862	5.203	136	143	(K)ETQGFVPR(W)
1819.928	1818.93	0.01	5.411	3.267	157	173	(R)WATWGSMTKPESAIR(A)
985.556	984.528	-0.02	-20.527	-1.272	174	183	(R)AAFEPLLPGA(-)

F. RRC01208 (2602)



RRC01208, Coverage Map

1	MIKTPLPLTT	PRRARPILMA	VLLSTALALS	PLAMTPAQAG	PVPESFADLV
51	VQVKPAVVM	TTSTIVSEPA	GRMPGFPPGS	PFEFFKFEFG	MPNMPQGGPQ
101	RQHRADALGS	GFVISADGYI	VTNMHVIKGE	DGNTVADEIS	IEFANGKKLD
151	AKIVGTDPKT	DIALLKVESK	EPLPFVSFGD	SDTMREGDWV	MAMGNPLGQG
201	FSTSVGIVSA	RNRELSGTYG	DYIQTDAAIN	RGNSGGPLFS	MDGKVICWNT
251	AILSPNGGSI	GIGFSMASNV	VSKVVGQLQE	FGATRRGWLG	VKIQLTPDM
301	AEAMSLATPE	GAMVSEVPEG	PAKVAGMKSG	DVIISFAGAP	VKDTKSLTRR
351	VADAPVGQAV	DVVVVRAGKP	VTLQVTLGQR	ELAESSEAAA	GGTAPALAGG
401	AVLGMVLSPI	TDAMRAERNL	PEDLTGLMVT	DIDATGAAFD	KGLRAGDVIV
451	EAGQPVTSL	DDLKARVAEA	KEGGRKSVLL	LIRREGEPRF	VAVPLQ



Submitted Mass	mW	Delta	Delta (ppm)	Score	Start	End	Sequence
1713.763	1712.791	0.036	20.949	0.59	73	87	(R)MPGFPPGSPFEFFK(E)
2461.196	2460.265	0.077	31.207	-1.342	105	128	(R)ADALGSGFVISADGYVTNMHVIK(G)
1965.878	1964.896	0.026	13.114	-1.4	129	147	(K)GEDGNTVADEISIEFANGK(K)
1697.764	1696.777	0.021	12.248	0.935	171	185	(K)EPLPFVSFGDSDTMR(E)
1266.562	1265.571	0.017	13.281	-0.577	232	244	(R)GNSGGPLFSMDGK(V)
1304.892	1303.688	0.004	2.917	4.132	274	285	(K)WGQLQEFGATR(R)
1460.778	1459.79	0.022	14.947	-1.706	274	286	(K)WGQLQEFGATRR(G)
1360.736	1359.74	0.012	8.721	0.397	329	342	(K)SGDVIISFAGAPVK(D)
1625.854	1624.861	0.015	9.118	1.263	351	366	(R)VADAPVGQAVDVVVR(A)
1487.856	1486.857	0.009	6.042	3.689	367	380	(R)AGKPVTLQVTLGQR(E)
2055.024	2054.053	0.037	17.962	-0.094	445	464	(R)AGDVIVEAGQPVTSLDDLK(A)
941.646	940.643	0.005	5.128	2.182	476	483	(R)KSVLLLR(R)