

Supplementary Dataset

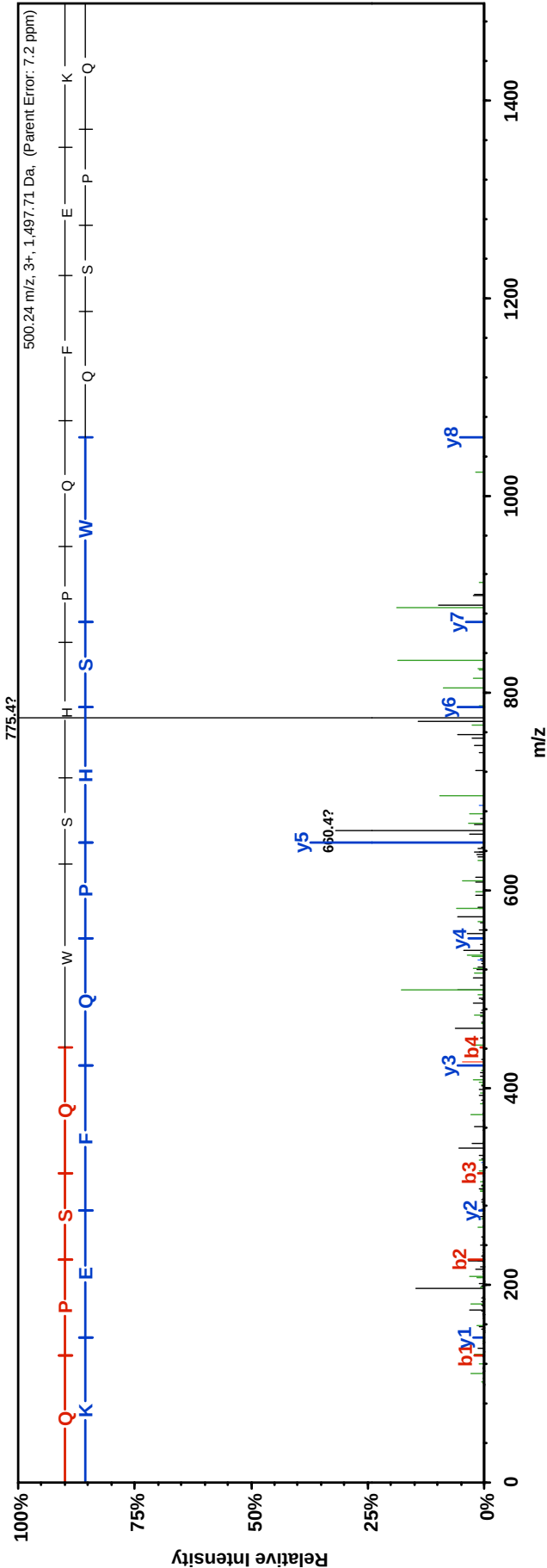
A propofol binding site on mammalian GABA_A receptors identified by photolabeling

Grace M S Yip, Zi-Wei Chen, Christopher J Edge, Edward H Smith, Robert Dickinson,
Erhard Hohenester, R Reid Townsend, Karoline Fuchs, Werner Sieghart,
Alex S Evers & Nicholas P Franks

MS2 Spectra of GABA_A α 1 and β 3 subunits

¹QPSQ⁴WSHPQFEK

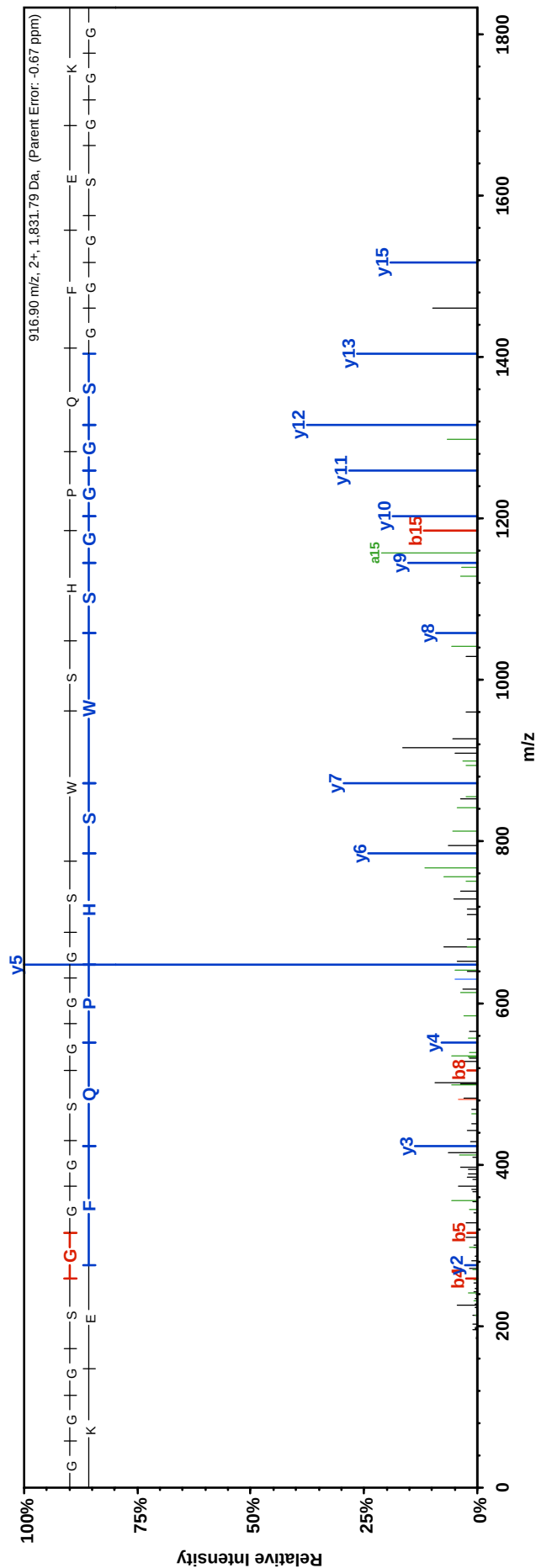
Streptactin tag peptide



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	129.1	65.0	112.0		Q	1,498.7	749.9	1,481.7	1,480.7	12
2	226.1	113.6	209.1		P	1,370.6	685.8	1,353.6	1,352.6	11
3	313.2	157.1	296.1	295.1	S	1,273.6	637.3	1,256.6	1,255.6	10
4	441.2	221.1	424.2	423.2	Q	1,186.6	593.8	1,169.5	1,168.6	9
5	627.3	314.1	610.3	609.3	W	1,058.5	529.8	1,041.5	1,040.5	8
6	714.3	357.7	697.3	696.3	S	872.4	436.7	855.4	854.4	7
7	851.4	426.2	834.4	833.4	H	785.4	393.2	768.4	767.4	6
8	948.4	474.7	931.4	930.4	P	648.3	324.7	631.3	630.3	5
9	1,076.5	538.7	1,059.5	1,058.5	Q	551.3	276.1	534.3	533.3	4
10	1,223.6	612.3	1,206.5	1,205.5	F	423.2	212.1	406.2	405.2	3
11	1,352.6	676.8	1,335.6	1,334.6	E	276.2	138.6	259.1	258.1	2
12	1,498.7	749.9	1,481.7	1,480.7	K	147.1	74.1	130.1		1

alpha1 peptides

Streptactin tag-GGGGGGSGGWSHPQFEK



alpha1 peptides

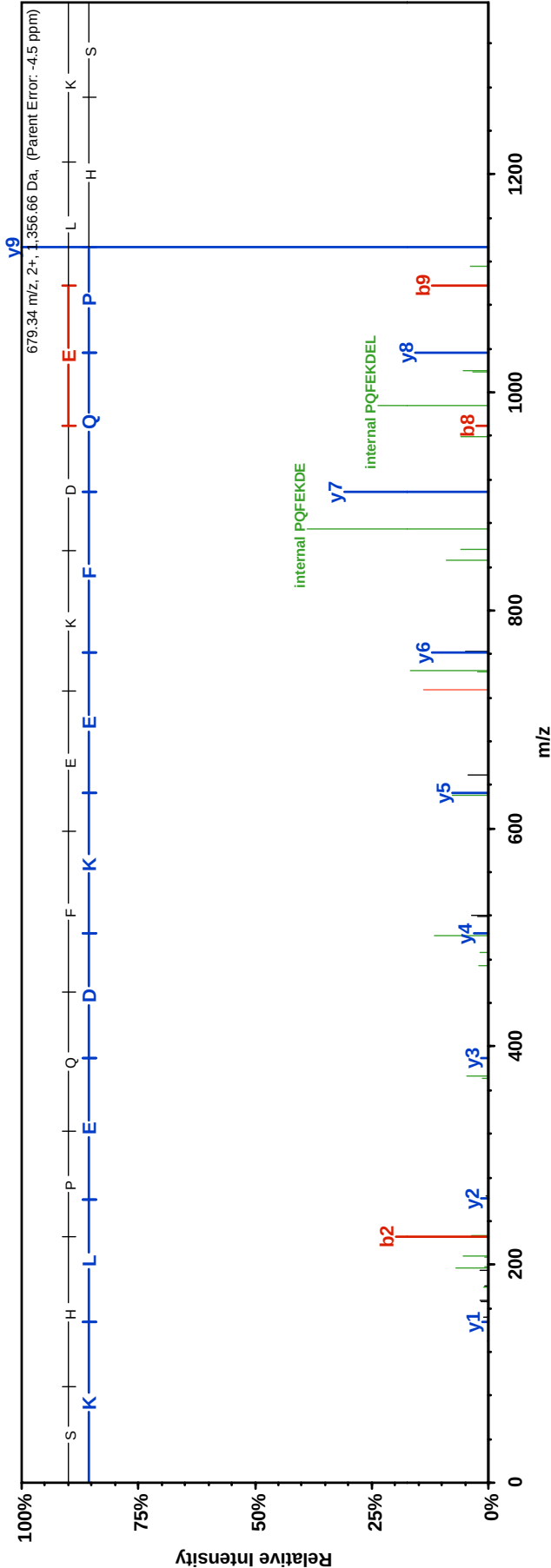
Streptactin tag-GGGGGGGGSHPOQFEK

B	B Ions	B+2H	B-NH3	B+H2O	AA	Y Ions	Y+2H	Y-NH3	Y+H2O	Y
1	58.0	29.5			G	2,318.0	1,159.5	2,301.0	2,300.0	24
2	115.1	58.0			G	2,261.0	1,131.0	2,244.0	2,243.0	23
3	172.1	86.5			G	2,204.0	1,102.5	2,187.0	2,186.0	22
4	259.1	130.1		241.1	S	2,147.0	1,074.0	2,130.0	2,129.0	21
5	316.1	158.6		298.1	G	2,059.9	1,030.5	2,042.9	2,041.9	20
6	373.1	187.1		355.1	G	2,002.9	1,002.0	1,985.9	1,984.9	19
7	430.2	215.6		412.2	G	1,945.9	973.5	1,928.9	1,927.9	18
8	517.2	259.1		499.2	S	1,888.9	944.9	1,871.9	1,870.9	17
9	574.2	287.6		556.2	G	1,801.9	901.4	1,784.8	1,783.8	16
10	631.2	316.1		613.2	G	1,744.8	872.9	1,727.8	1,726.8	15
11	688.3	344.6		670.3	G	1,687.8	844.4	1,670.8	1,669.8	14
12	775.3	388.2		757.3	S	1,630.8	815.9	1,613.8	1,612.8	13
13	961.4	481.2		943.4	W	1,543.8	772.4	1,526.7	1,525.7	12
14	1,048.4	524.7		1,030.4	S	1,357.7	679.3	1,340.6	1,339.7	11
15	1,185.5	593.2		1,167.5	H	1,270.6	635.8	1,253.6	1,252.6	10
16	1,282.5	641.8		1,264.5	P	1,133.6	567.3	1,116.6	1,115.6	9
17	1,410.6	705.8	1,393.6	1,392.6	Q	1,036.5	518.8	1,019.5	1,018.5	8
18	1,557.6	779.3	1,540.6	1,539.6	F	908.5	454.7	891.4	890.5	7
19	1,686.7	843.8	1,669.7	1,668.7	E	761.4	381.2	744.4	743.4	6
20	1,814.8	907.9	1,797.8	1,796.8	K	632.4	316.7	615.3	614.4	5
21	1,929.8	965.4	1,912.8	1,911.8	D	504.3	252.6	487.2	486.3	4
22	2,058.9	1,029.9	2,041.8	2,040.8	E	389.2	195.1	372.2	371.2	3
23	2,171.9	1,086.5	2,154.9	2,153.9	L	260.2	130.6	243.2		2
24	2,318.0	1,159.5	2,301.0	2,300.0	K	147.1	74.1	130.1		1

alpha1 peptides

SHPQFEK⁵DELK⁸

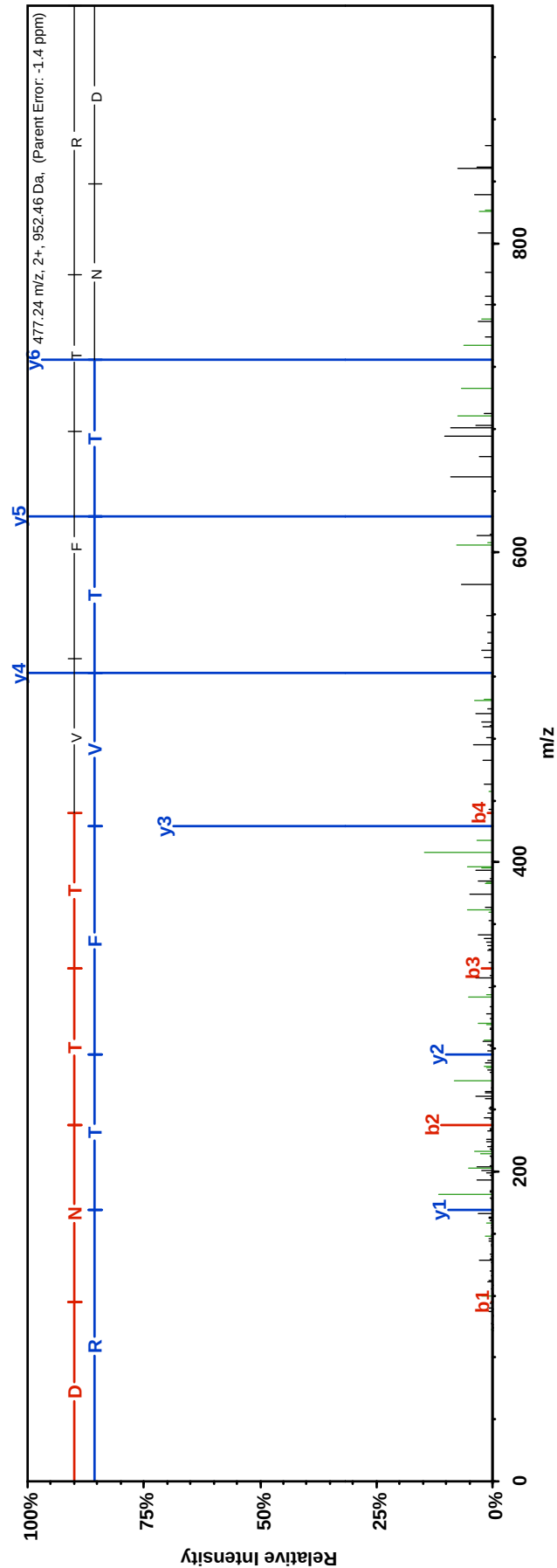
Streptactin peptide



B	B Ions	B+2H	B-NH3	B+H2O	AA	Y Ions	Y+2H	Y-NH3	Y+H2O	Y
1	88.0			70.0	S	1,357.7	679.3	1,340.6	1,339.7	11
2	225.1	113.1		207.1	H	1,270.6	635.8	1,253.6	1,252.6	10
3	322.2	161.6		304.1	P	1,133.6	567.3	1,116.6	1,115.6	9
4	450.2	225.6	433.2	432.2	Q	1,036.5	518.8	1,019.5	1,018.5	8
5	597.3	299.1	580.3	579.3	F	908.5	454.7	891.4	890.5	7
6	726.3	363.7	709.3	708.3	E	761.4	381.2	744.4	743.4	6
7	854.4	427.7	837.4	836.4	K	632.4	316.7	615.3	614.4	5
8	969.4	485.2	952.4	951.4	D	504.3		487.2	486.3	4
9	1,098.5	549.7	1,081.5	1,080.5	E	389.2		372.2	371.2	3
10	1,211.6	606.3	1,194.5	1,193.6	L	260.2		243.2		2
11	1,357.7	679.3	1,340.6	1,339.7	K	147.1		130.1		1

alpha1 peptides

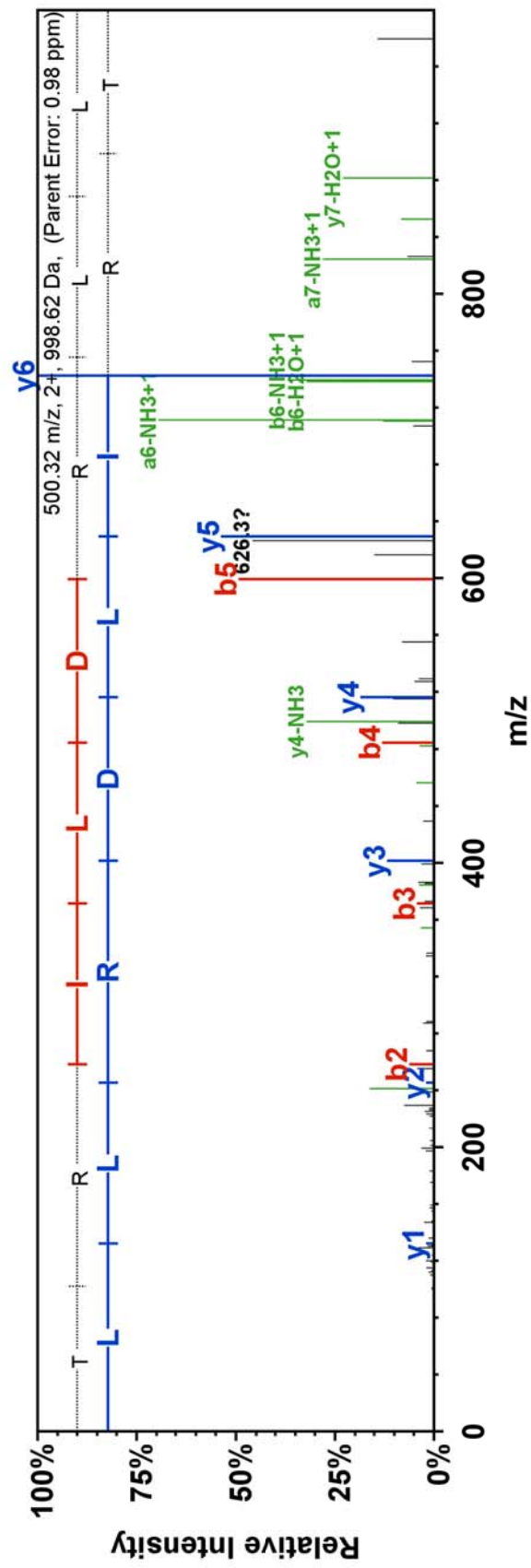
8DNTTVFTR¹⁶



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	116.0			98.0	D	953.5	477.2	936.4	935.5	8
2	230.1		213.1	212.1	N	838.4	419.7	821.4	820.4	7
3	331.1		314.1	313.1	T	724.4	362.7	707.4	706.4	6
4	432.2		415.1	414.2	T	623.4		606.3	605.3	5
5	531.2		514.2	513.2	V	522.3		505.3	504.3	4
6	678.3	339.7	661.3	660.3	F	423.2		406.2	405.2	3
7	779.4	390.2	762.3	761.3	T	276.2		259.1	258.2	2
8	953.5	477.2	936.4	935.5	R	175.1		158.1		1

alpha1 peptides

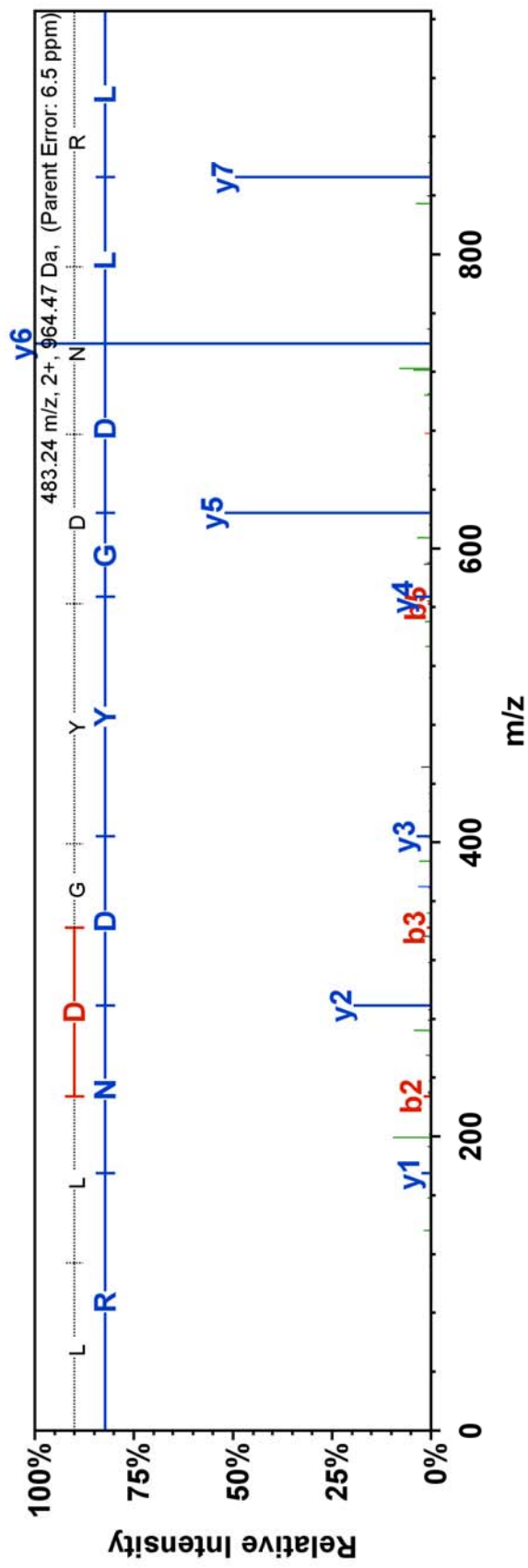
15TRILDRLL²²



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1			84.0	T	999.6	500.3	982.6	981.6	8
2	258.2	129.6	241.1	240.1	R	898.6	449.8	881.6	880.6	7
3	371.2	186.1	354.2	353.2	I	742.5	371.7	725.5	724.5	6
4	484.3	242.7	467.3	466.3	L	629.4		612.4	611.4	5
5	599.4	300.2	582.3	581.3	D	516.3		499.3	498.3	4
6	755.5	378.2	738.4	737.4	R	401.3		384.3		3
7	868.5	434.8	851.5	850.5	L	245.2				2
8	999.6	500.3	982.6	981.6	L	132.1				1

alpha1 peptides

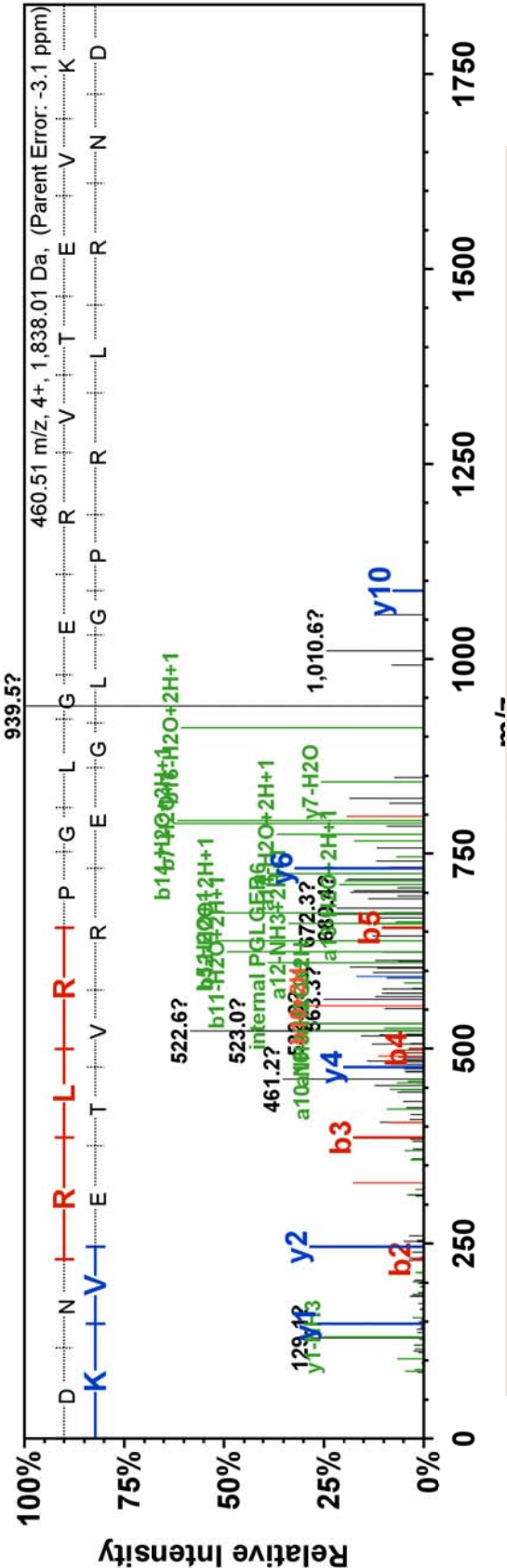
21LLDGYDNR28



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				L	965.5	483.2	948.4	947.5	8
2	227.2				L	852.4	426.7	835.4	834.4	7
3	342.2			324.2	D	739.3	370.2	722.3	721.3	6
4	399.2			381.2	G	624.3		607.2	606.3	5
5	562.3			544.3	Y	567.3		550.2	549.2	4
6	677.3	339.2		659.3	D	404.2		387.2	386.2	3
7	791.4	396.2	774.3	773.3	N	289.2		272.1		2
8	965.5	483.2	948.4	947.5	R	175.1		158.1		1

alpha1 peptides

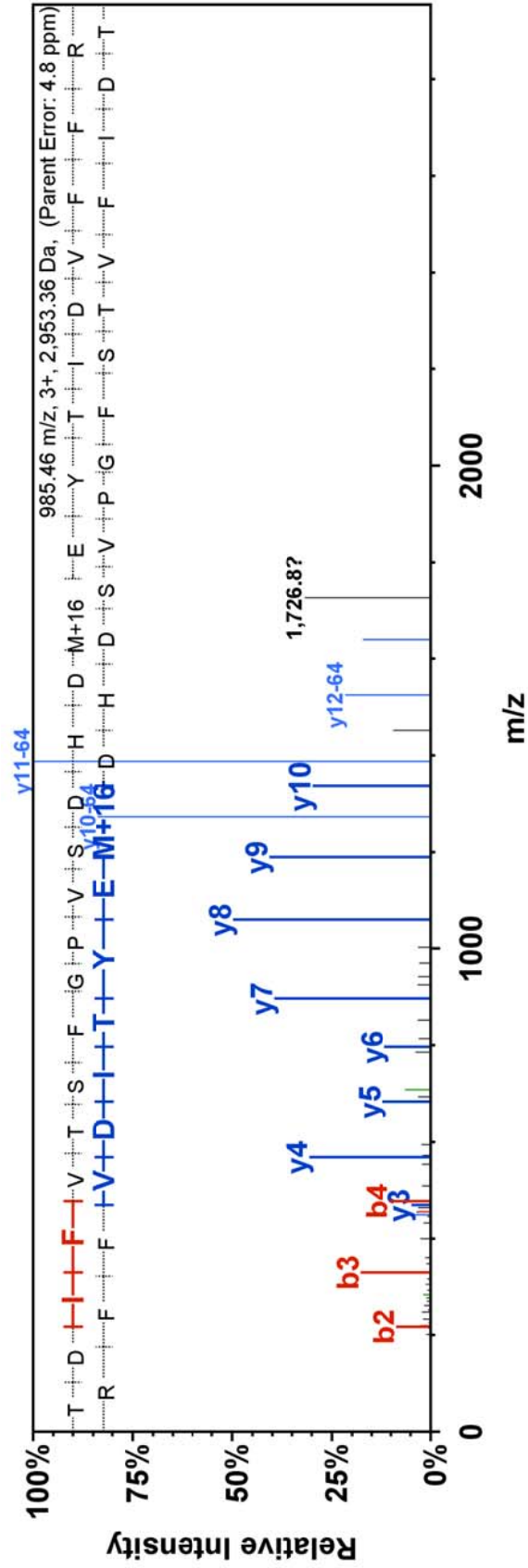
26DNRLRPG LGERVTEVK41



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	116.0	58.5		98.0	D	1,839.0	920.0	1,822.0	1,821.0	16
2	230.1	115.5	213.1	212.1	N	1,724.0	862.5	1,707.0	1,706.0	15
3	386.2	193.6	369.2	368.2	R	1,609.9	805.5	1,592.9	1,591.9	14
4	499.3	250.1	482.2	481.3	L	1,453.8	727.4	1,436.8	1,435.8	13
5	655.4	328.2	638.3	637.4	R	1,340.8	670.9	1,323.7	1,322.8	12
6	752.4	376.7	735.4	734.4	P	1,184.7	592.8	1,167.6	1,166.7	11
7	809.4	405.2	792.4	791.4	G	1,087.6	544.3	1,070.6	1,069.6	10
8	922.5	461.8	905.5	904.5	L	1,030.6	515.8	1,013.6	1,012.6	9
9	979.5	490.3	962.5	961.5	G	917.5	459.3	900.5	899.5	8
10	1,108.6	554.8	1,091.6	1,090.6	E	860.5	430.7	843.5	842.5	7
11	1,264.7	632.8	1,247.7	1,246.7	R	731.4	366.2	714.4	713.4	6
12	1,363.8	682.4	1,346.7	1,345.7	V	575.3	288.2	558.3	557.3	5
13	1,464.8	732.9	1,447.8	1,446.8	T	476.3	238.6	459.2	458.3	4
14	1,593.8	797.4	1,576.8	1,575.8	E	375.2	188.1	358.2	357.2	3
15	1,692.9	847.0	1,675.9	1,674.9	V	246.2	123.6	229.2		2
16	1,839.0	920.0	1,822.0	1,821.0	K	147.1	74.1	130.1		1

alpha1 peptides

⁴²T D I F V T S F G P V S D H D m E Y T I D V F F R⁶⁶



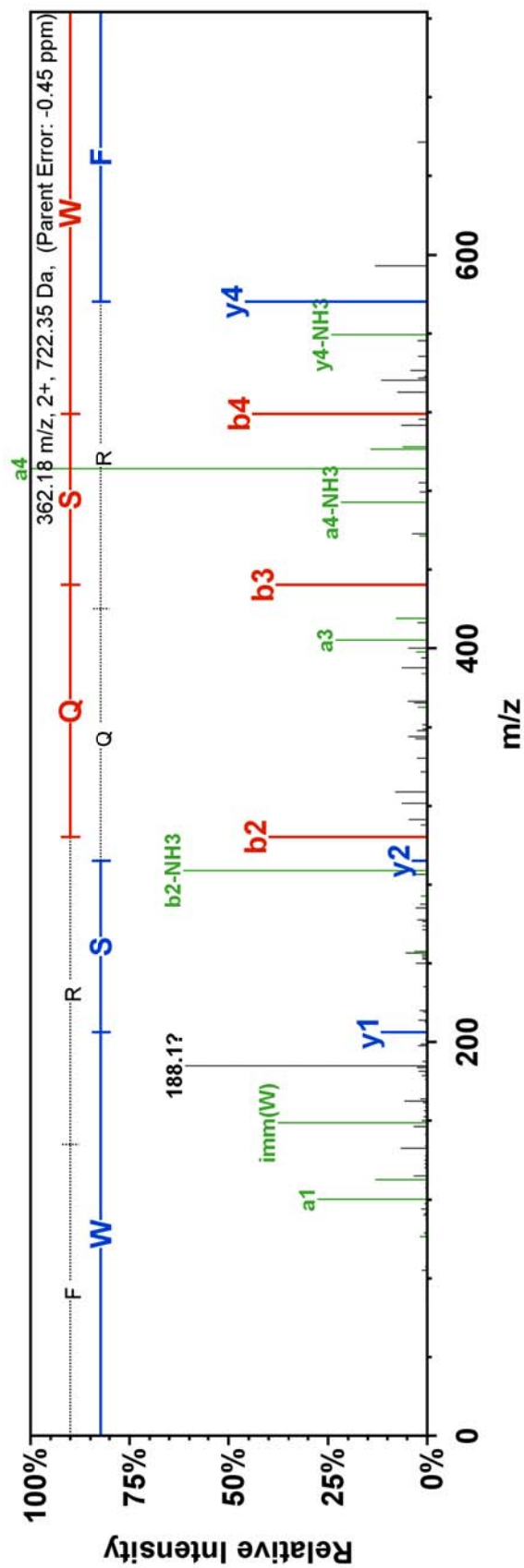
alpha1 peptides

42TDIFVTSFGPVS DHDmEYTIDVFFR66

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1	51.5		84.0	T	2,954.4	1,477.7	2,937.3	2,936.3	25
2	217.1	109.0		199.1	D	2,853.3	1,427.2	2,836.3	2,835.3	24
3	330.2	165.6		312.2	I	2,738.3	1,369.6	2,721.3	2,720.3	23
4	477.2	239.1		459.2	F	2,625.2	1,313.1	2,608.2	2,607.2	22
5	576.3	288.7		558.3	V	2,478.1	1,239.6	2,461.1	2,460.1	21
6	677.4	339.2		659.3	T	2,379.1	1,190.0	2,362.0	2,361.0	20
7	764.4	382.7		746.4	S	2,278.0	1,139.5	2,261.0	2,260.0	19
8	911.5	456.2		893.4	F	2,191.0	1,096.0	2,174.0	2,173.0	18
9	968.5	484.7		950.5	G	2,043.9	1,022.5	2,026.9	2,025.9	17
10	1,065.5	533.3		1,047.5	P	1,986.9	993.9	1,969.9	1,968.9	16
11	1,164.6	582.8		1,146.6	V	1,889.8	945.4	1,872.8	1,871.8	15
12	1,251.6	626.3		1,233.6	S	1,790.8	895.9	1,773.7	1,772.8	14
13	1,366.7	683.8		1,348.6	D	1,703.7	852.4	1,686.7	1,685.7	13
14	1,503.7	752.4		1,485.7	H	1,588.7	794.9	1,571.7	1,570.7	12
15	1,618.7	809.9		1,600.7	D	1,451.7	726.3	1,434.6	1,433.6	11
16	1,765.8	883.4		1,747.8	M+16	1,336.6	668.8	1,319.6	1,318.6	10
17	1,894.8	947.9		1,876.8	E	1,189.6	595.3	1,172.6	1,171.6	9
18	2,057.9	1,029.4		2,039.9	Y	1,060.5	530.8	1,043.5	1,042.5	8
19	2,158.9	1,080.0		2,140.9	T	897.5	449.2	880.5	879.5	7
20	2,272.0	1,136.5		2,254.0	I	796.4	398.7	779.4	778.4	6
21	2,387.0	1,194.0		2,369.0	D	683.4	342.2	666.3	665.3	5
22	2,486.1	1,243.6		2,468.1	V	568.3	284.7	551.3		4
23	2,633.2	1,317.1		2,615.2	F	469.3	235.1	452.2		3
24	2,780.2	1,390.6		2,762.2	F	322.2	161.6	305.2		2
25	2,954.4	1,477.7	2,937.3	2,936.3	R	175.1	88.1	158.1		1

alpha1 peptides

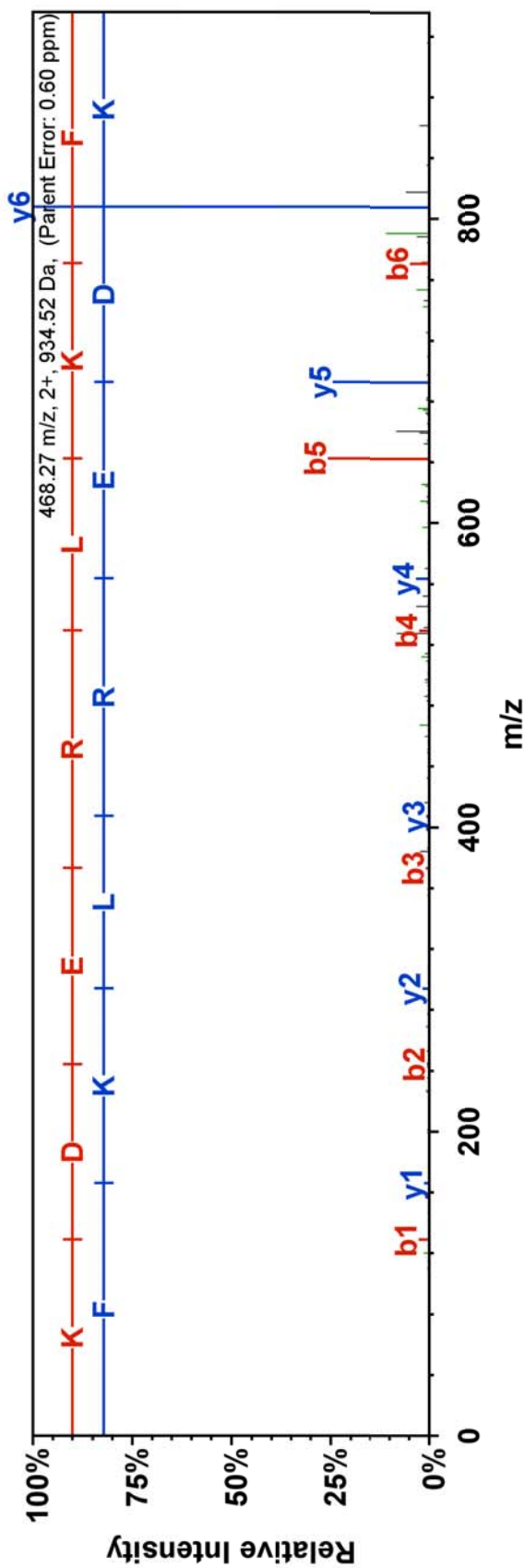
65FRQSW69



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	148.1				F	723.4		706.3	705.3	5
2	304.2	152.6	287.2		R	576.3		559.3	558.3	4
3	432.2	216.6	415.2		Q	420.2		403.2	402.2	3
4	519.3	260.1	502.2	501.3	S	292.1			274.1	2
5	723.4	362.2	706.3	705.3	W	205.1				1

alpha1 peptides

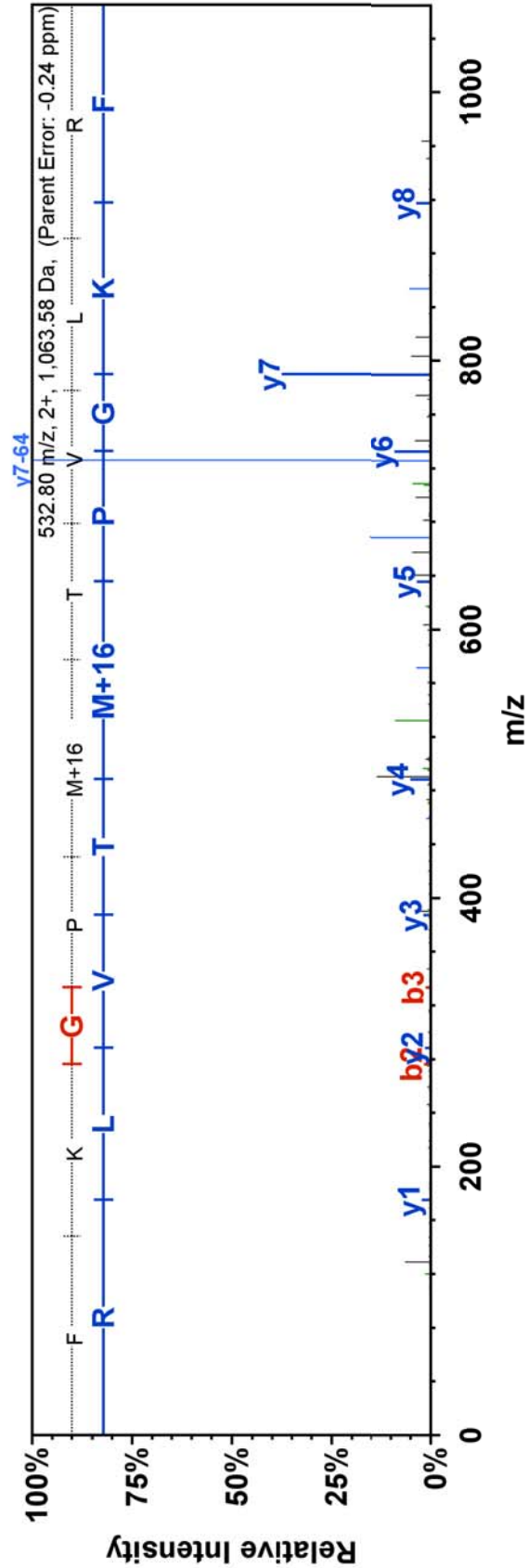
70KDERLKF76



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	129.1	65.1	112.1		K	935.5	468.3	918.5	917.5	7
2	244.1	122.6	227.1	226.1	D	807.4	404.2	790.4	789.4	6
3	373.2	187.1	356.1	355.2	E	692.4	346.7	675.4	674.4	5
4	529.3	265.1	512.2	511.3	R	563.4	282.2	546.3		4
5	642.4	321.7	625.3	624.3	L	407.3		390.2		3
6	770.5	385.7	753.4	752.4	K	294.2		277.2		2
7	935.5	468.3	918.5	917.5	F	166.1				1

alpha1 peptides

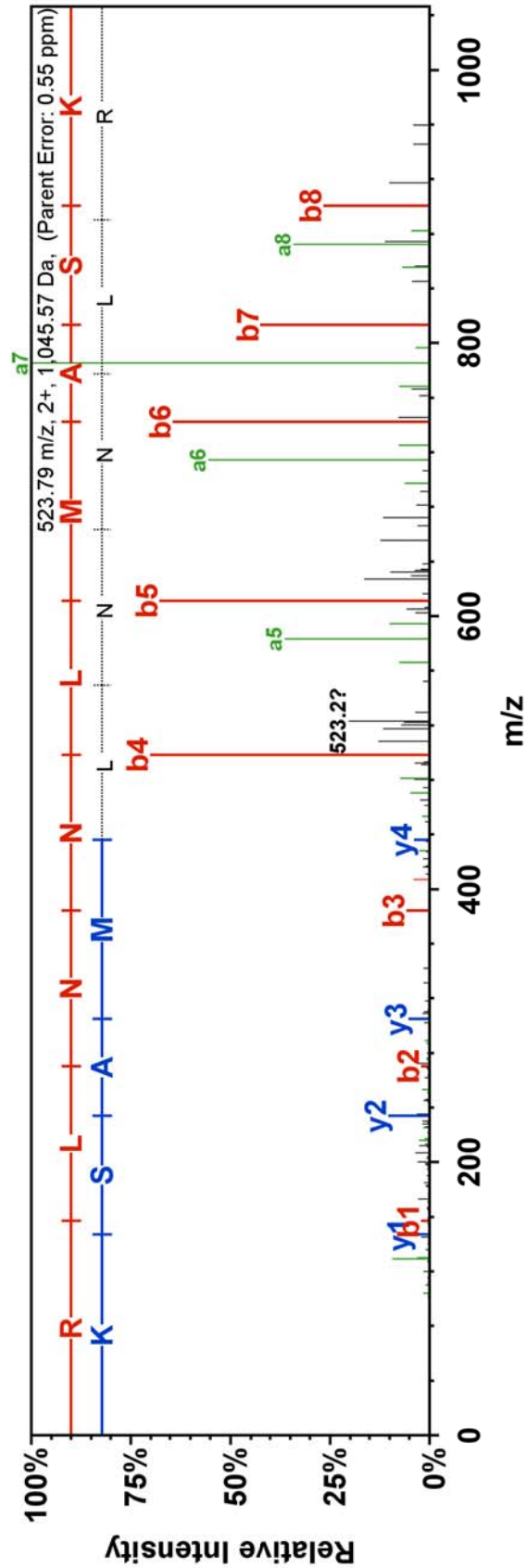
76FKGPmTVLR⁸⁴



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	148.1				F	1,064.6	532.8	1,047.6	1,046.6	9
2	276.2	138.6	259.1		K	917.5	459.3	900.5	899.5	8
3	333.2	167.1	316.2		G	789.4	395.2	772.4	771.4	7
4	430.2	215.6	413.2		P	732.4	366.7	715.4	714.4	6
5	577.3	289.1	560.3		M+16	635.4		618.3	617.3	5
6	678.3	339.7	661.3	660.3	T	488.3		471.3	470.3	4
7	777.4	389.2	760.4	759.4	V	387.3		370.2		3
8	890.5	445.7	873.5	872.5	L	288.2		271.2		2
9	1,064.6	532.8	1,047.6	1,046.6	R	175.1		158.1		1

alpha1 peptides

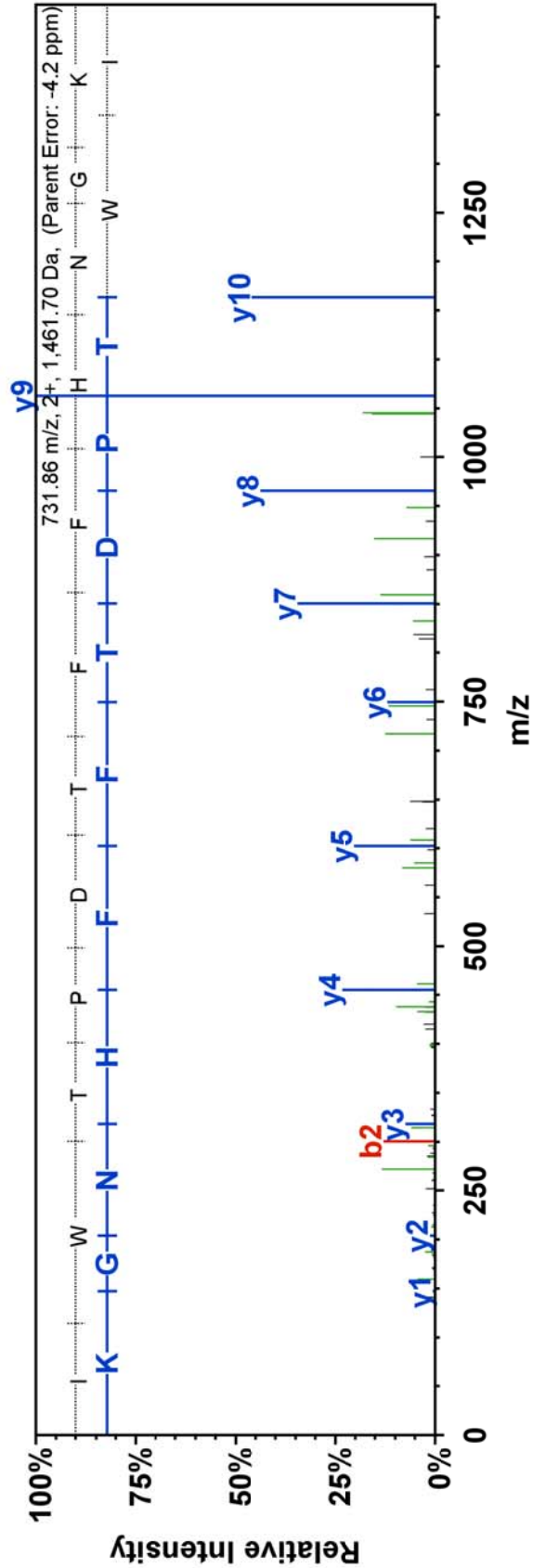
84RLNNLMASK92



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	157.1	79.1	140.1		R	1,046.6	523.8	1,029.6	1,028.6	9
2	270.2	135.6	253.2		L	890.5	445.7	873.4	872.5	8
3	384.2	192.6	367.2		N	777.4	389.2	760.4	759.4	7
4	498.3	249.6	481.3		N	663.3	332.2	646.3	645.3	6
5	611.4	306.2	594.3		L	549.3		532.3	531.3	5
6	742.4	371.7	725.4		M	436.2		419.2	418.2	4
7	813.4	407.2	796.4		A	305.2		288.2	287.2	3
8	900.5	450.7	883.4	882.5	S	234.1		217.1	216.1	2
9	1,046.6	523.8	1,029.6	1,028.6	K	147.1		130.1		1

alpha1 peptides

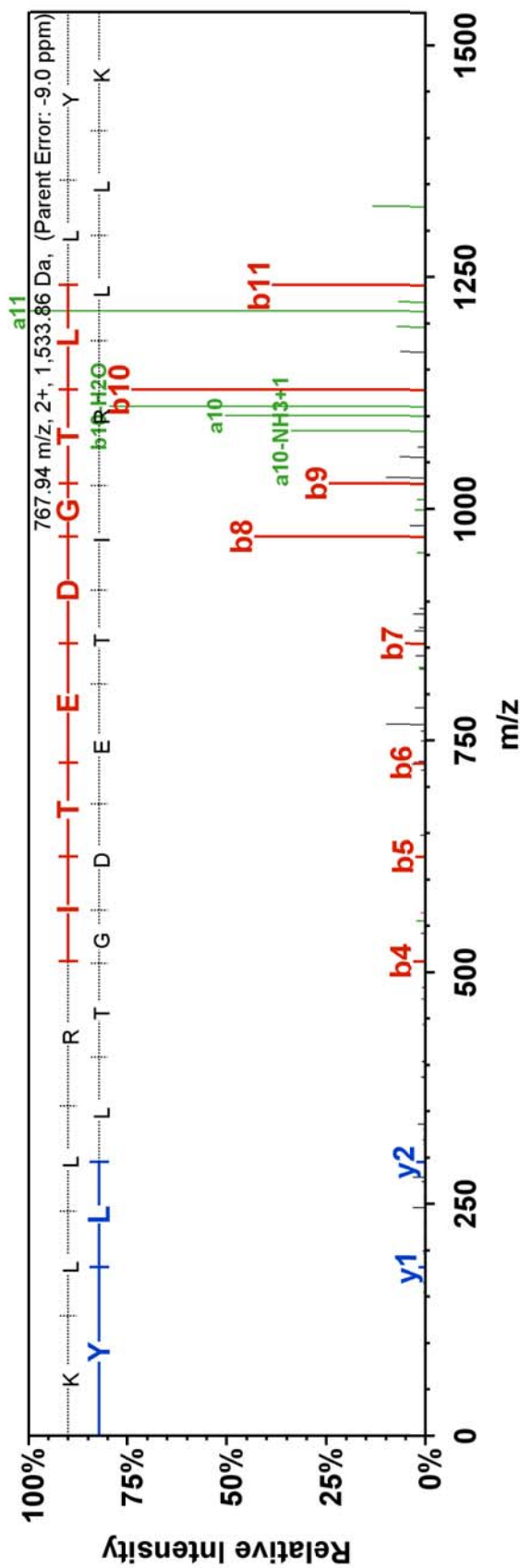
93IWTPDTEFFHNGK104



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				I	1,462.7	731.9	1,445.7	1,444.7	12
2	300.2				W	1,349.6	675.3	1,332.6	1,331.6	11
3	401.2			383.2	T	1,163.5	582.3	1,146.5	1,145.5	10
4	498.3			480.3	P	1,062.5	531.8	1,045.5	1,044.5	9
5	613.3			595.3	D	965.4	483.2	948.4	947.4	8
6	714.3	357.7		696.3	T	850.4	425.7	833.4	832.4	7
7	861.4	431.2		843.4	F	749.4	375.2	732.3		6
8	1,008.5	504.7		990.5	F	602.3	301.7	585.3		5
9	1,145.5	573.3		1,127.5	H	455.2	228.1	438.2		4
10	1,259.6	630.3	1,242.6	1,241.6	N	318.2		301.2		3
11	1,316.6	658.8	1,299.6	1,298.6	G	204.1		187.1		2
12	1,462.7	731.9	1,445.7	1,444.7	K	147.1		130.1		1

alpha1 peptides

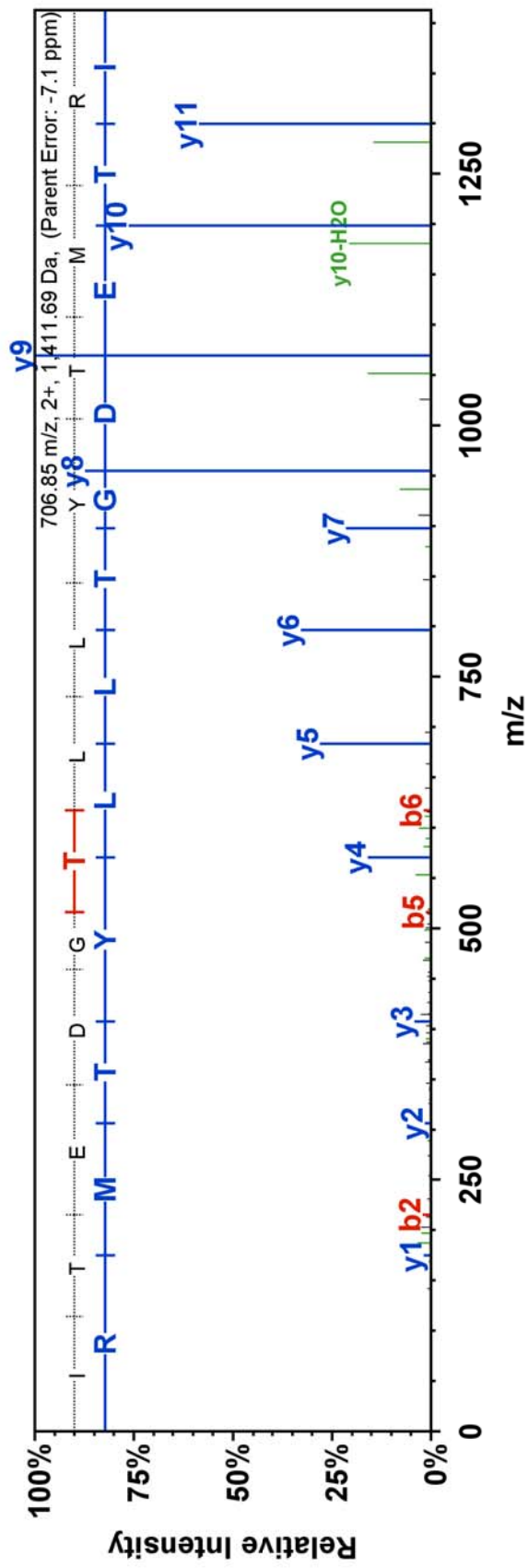
¹¹⁶KLLRITEDGTLTY¹²⁸



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	129.1	65.1	112.1		K	1,534.9	767.9	1,517.9	1,516.9	13
2	242.2	121.6	225.2		L	1,406.8	703.9	1,389.8	1,388.8	12
3	355.3	178.1	338.2		L	1,293.7	647.4	1,276.7	1,275.7	11
4	511.4	256.2	494.3		R	1,180.6	590.8	1,163.6	1,162.6	10
5	624.5	312.7	607.4		I	1,024.5			1,006.5	9
6	725.5	363.3	708.5	707.5	T	911.4			893.4	8
7	854.5	427.8	837.5	836.5	E	810.4			792.4	7
8	969.6	485.3	952.5	951.6	D	681.3			663.3	6
9	1,026.6	513.8	1,009.6	1,008.6	G	566.3			548.3	5
10	1,127.6	564.3	1,110.6	1,109.6	T	509.3			491.3	4
11	1,240.7	620.9	1,223.7	1,222.7	L	408.2				3
12	1,353.8	677.4	1,336.8	1,335.8	L	295.2				2
13	1,534.9	767.9	1,517.9	1,516.9	Y	182.1				1

alpha1 peptides

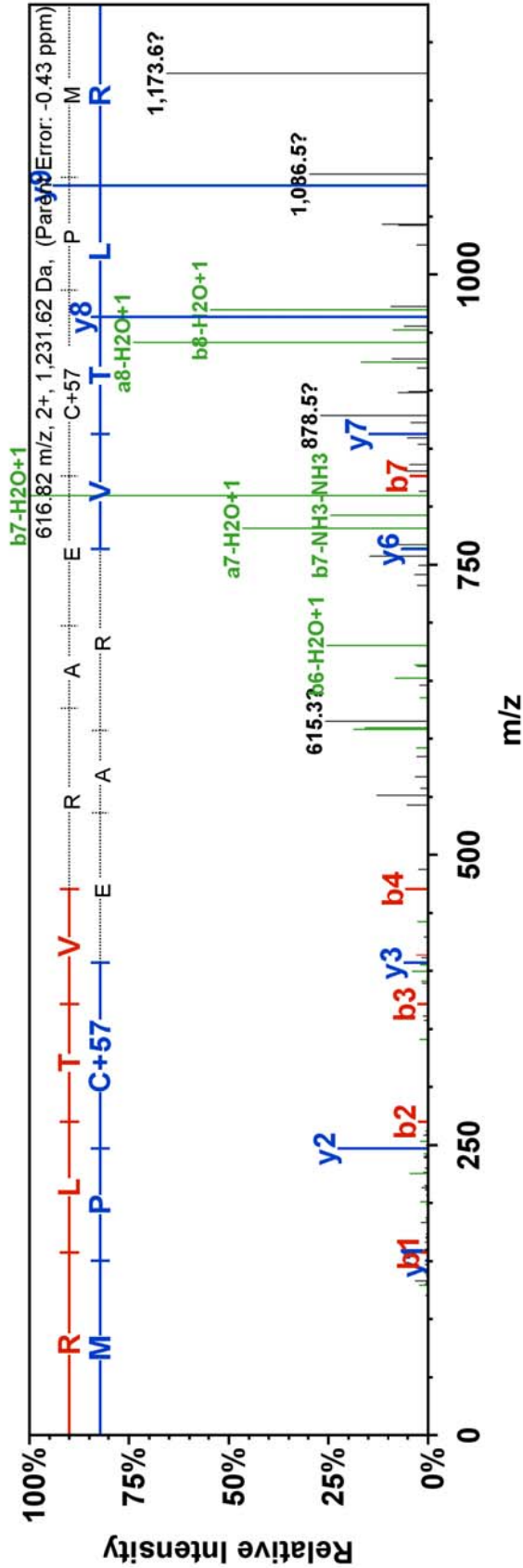
120ITEDGTLTYMR¹³¹



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				I	1,412.7	706.9	1,395.7	1,394.7	12
2	215.1			197.1	T	1,299.6	650.3	1,282.6	1,281.6	11
3	344.2			326.2	E	1,198.6	599.8	1,181.6	1,180.6	10
4	459.2			441.2	D	1,069.5	535.3	1,052.5	1,051.5	9
5	516.2			498.2	G	954.5	477.8	937.5	936.5	8
6	617.3	309.1		599.3	T	897.5	449.2	880.5	879.5	7
7	730.4	365.7		712.4	L	796.4	398.7	779.4	778.4	6
8	843.4	422.2		825.4	L	683.4		666.3	665.3	5
9	1,006.5	503.8		988.5	Y	570.3		553.2	552.3	4
10	1,107.6	554.3		1,089.5	T	407.2		390.2	389.2	3
11	1,238.6	619.8		1,220.6	M	306.2		289.1		2
12	1,412.7	706.9	1,395.7	1,394.7	R	175.1		158.1		1

alpha1 peptides

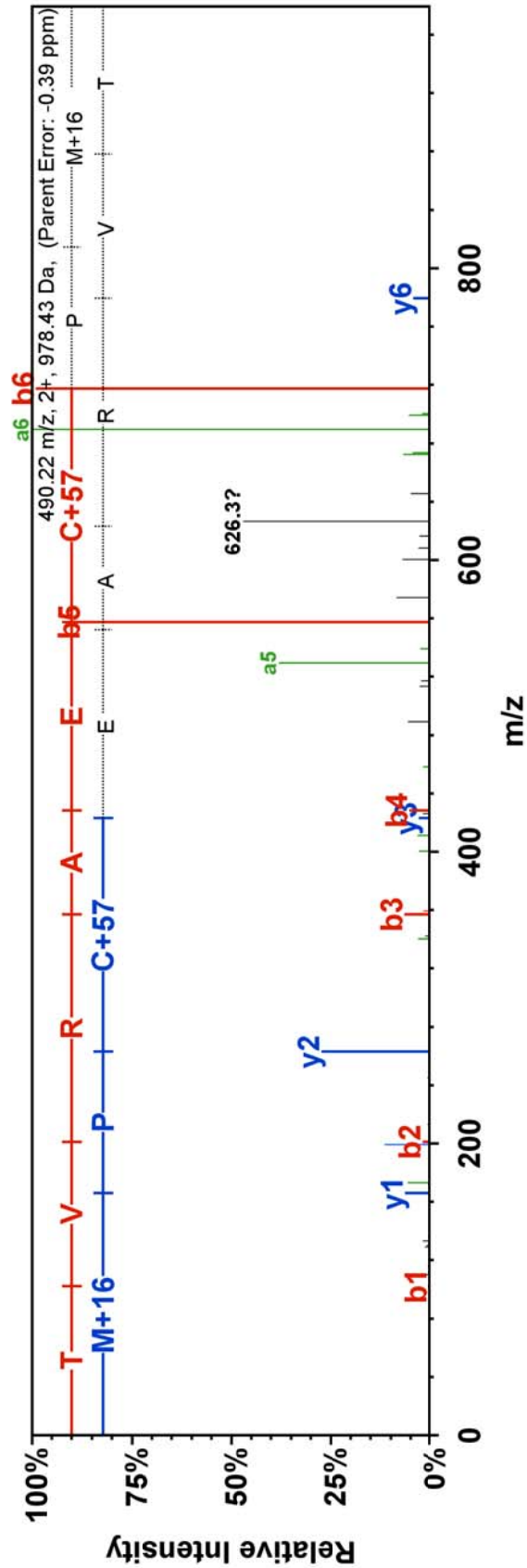
131RLTVRAEcPM140



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	157.1	79.1	140.1		R	1,232.6	616.8	1,215.6	1,214.6	10
2	270.2	135.6	253.2		L	1,076.5	538.8	1,059.5	1,058.5	9
3	371.2	186.1	354.2	353.2	T	963.4	482.2	946.4	945.4	8
4	470.3	235.7	453.3	452.3	V	862.4	431.7	845.4	844.4	7
5	626.4	313.7	609.4	608.4	R	763.3	382.2	746.3	745.3	6
6	697.4	349.2	680.4	679.4	A	607.2			589.2	5
7	826.5	413.7	809.5	808.5	E	536.2			518.2	4
8	986.5	493.8	969.5	968.5	C+57	407.1				3
9	1,083.6	542.3	1,066.5	1,065.6	P	247.1				2
10	1,232.6	616.8	1,215.6	1,214.6	M	150.1				1

alpha1 peptides

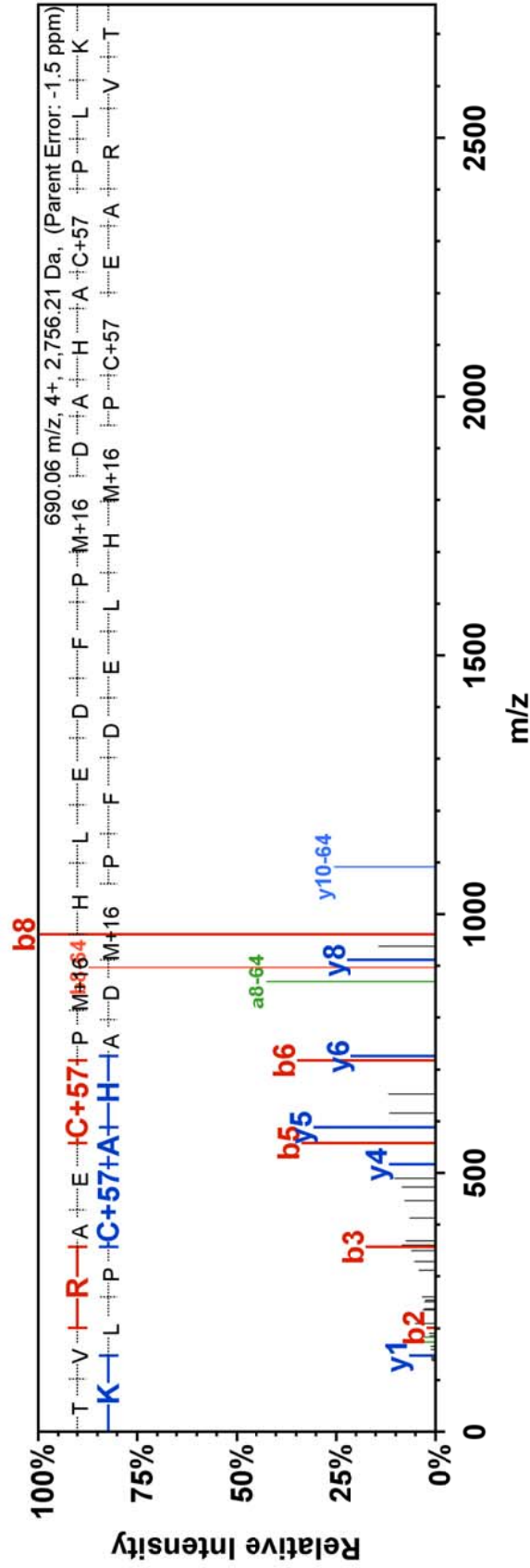
133TVRAEcPm¹⁴⁰



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1			84.0	T	979.4	490.2	962.4	961.4	8
2	201.1			183.1	V	878.4	439.7	861.4	860.4	7
3	357.2	179.1	340.2	339.2	R	779.3	390.2	762.3	761.3	6
4	428.3	214.6	411.2	410.3	A	623.2			605.2	5
5	557.3	279.2	540.3	539.3	E	552.2			534.2	4
6	717.3	359.2	700.3	699.3	C+57	423.1				3
7	814.4	407.7	797.4	796.4	P	263.1				2
8	979.4	490.2	962.4	961.4	M+16	166.1				1

alpha1 peptides

¹³³TVRAEcPmHLEDFPmDAHAcPLK¹⁵⁵



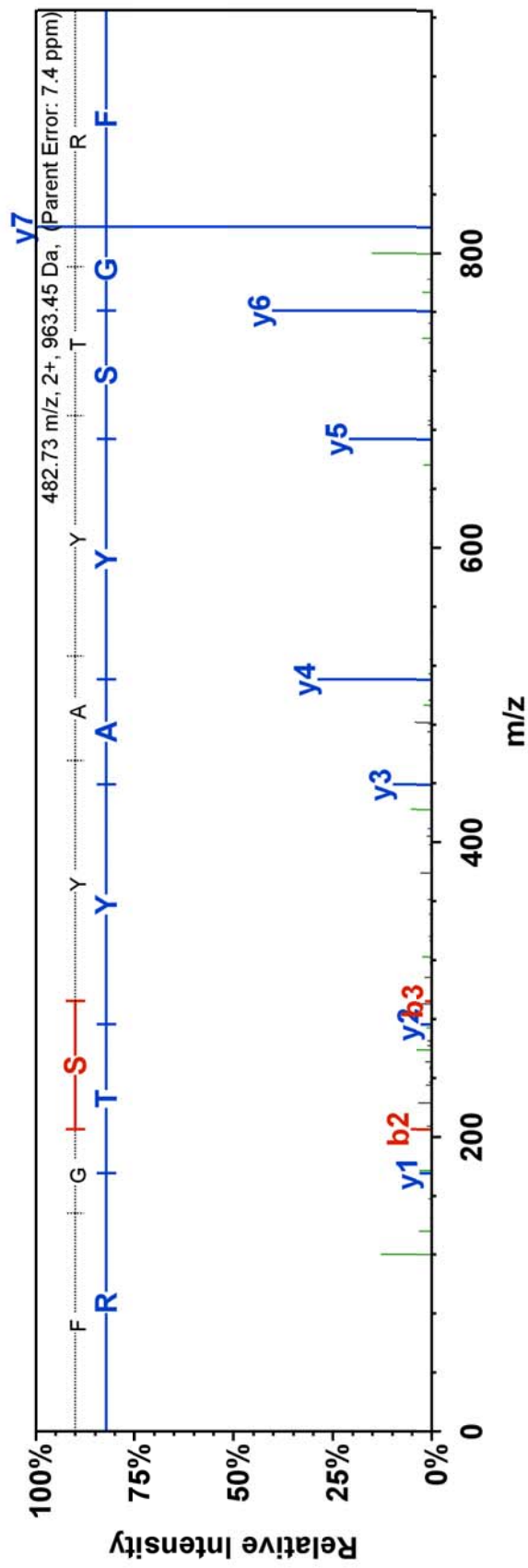
alpha1 peptides

133TVRAECpmHLEDFPmDAHAcPLK¹⁵⁵

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1	51.5		84.0	T	2,757.2	1,379.1	2,740.2	2,739.2	23
2	201.1	101.1		183.1	V	2,656.2	1,328.6	2,639.2	2,638.2	22
3	357.2	179.1	340.2	339.2	R	2,557.1	1,279.1	2,540.1	2,539.1	21
4	428.3	214.6	411.2	410.3	A	2,401.0	1,201.0	2,384.0	2,383.0	20
5	557.3	279.2	540.3	539.3	E	2,330.0	1,165.5	2,312.9	2,312.0	19
6	717.3	359.2	700.3	699.3	C+57	2,200.9	1,101.0	2,183.9	2,182.9	18
7	814.4	407.7	797.4	796.4	P	2,040.9	1,021.0	2,023.9	2,022.9	17
8	961.4	481.2	944.4	943.4	M+16	1,943.8	972.4	1,926.8	1,925.8	16
9	1,098.5	549.7	1,081.5	1,080.5	H	1,796.8	898.9	1,779.8	1,778.8	15
10	1,211.6	606.3	1,194.5	1,193.6	L	1,659.8	830.4	1,642.7	1,641.7	14
11	1,340.6	670.8	1,323.6	1,322.6	E	1,546.7	773.8	1,529.6	1,528.7	13
12	1,455.6	728.3	1,438.6	1,437.6	D	1,417.6	709.3	1,400.6	1,399.6	12
13	1,602.7	801.9	1,585.7	1,584.7	F	1,302.6	651.8	1,285.6	1,284.6	11
14	1,699.8	850.4	1,682.7	1,681.7	P	1,155.5	578.3	1,138.5	1,137.5	10
15	1,846.8	923.9	1,829.8	1,828.8	M+16	1,058.5	529.7	1,041.4	1,040.5	9
16	1,961.8	981.4	1,944.8	1,943.8	D	911.4	456.2	894.4	893.4	8
17	2,032.9	1,016.9	2,015.8	2,014.8	A	796.4	398.7	779.4		7
18	2,169.9	1,085.5	2,152.9	2,151.9	H	725.4	363.2	708.3		6
19	2,241.0	1,121.0	2,223.9	2,222.9	A	588.3	294.7	571.3		5
20	2,401.0	1,201.0	2,384.0	2,383.0	C+57	517.3	259.1	500.3		4
21	2,498.0	1,249.5	2,481.0	2,480.0	P	357.2	179.1	340.2		3
22	2,611.1	1,306.1	2,594.1	2,593.1	L	260.2	130.6	243.2		2
23	2,757.2	1,379.1	2,740.2	2,739.2	K	147.1	74.1	130.1		1

alpha1 peptides

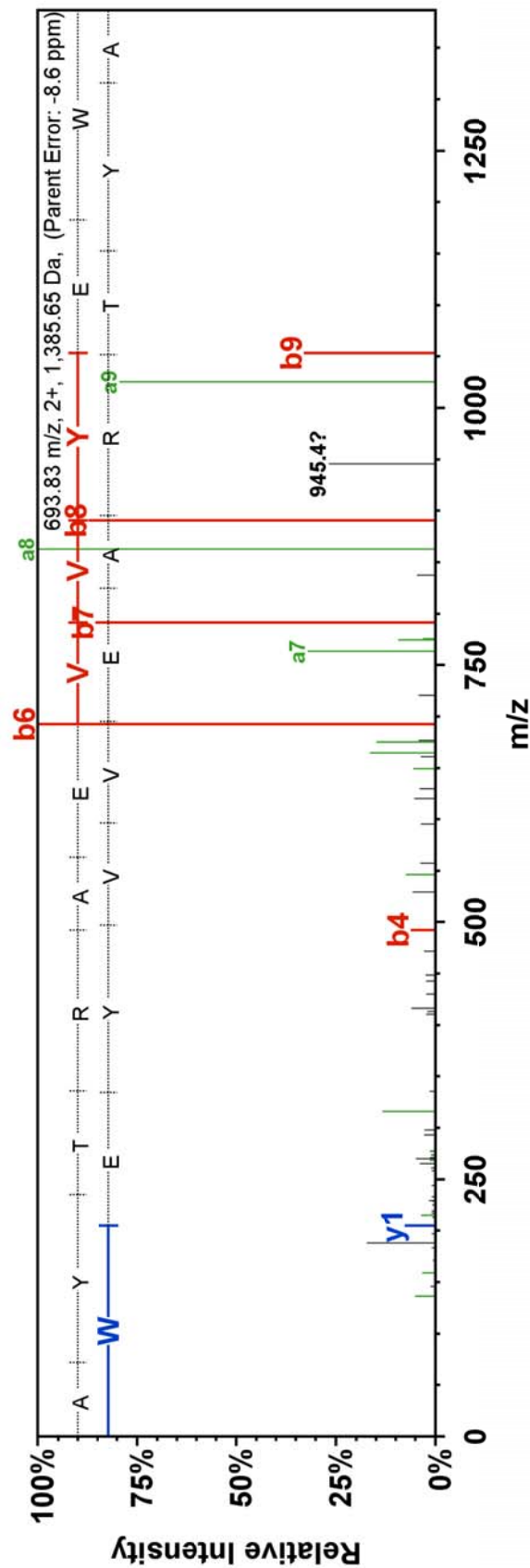
156FGSYAYTR¹⁶³



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	148.1				F	964.5	482.7	947.4	946.4	8
2	205.1				G	817.4	409.2	800.4	799.4	7
3	292.1			274.1	S	760.4	380.7	743.3	742.4	6
4	455.2			437.2	Y	673.3		656.3	655.3	5
5	526.2			508.2	A	510.3		493.2	492.3	4
6	689.3	345.2		671.3	Y	439.2		422.2	421.2	3
7	790.3	395.7		772.3	T	276.2		259.1	258.2	2
8	964.5	482.7	947.4	946.4	R	175.1		158.1		1

alpha1 peptides

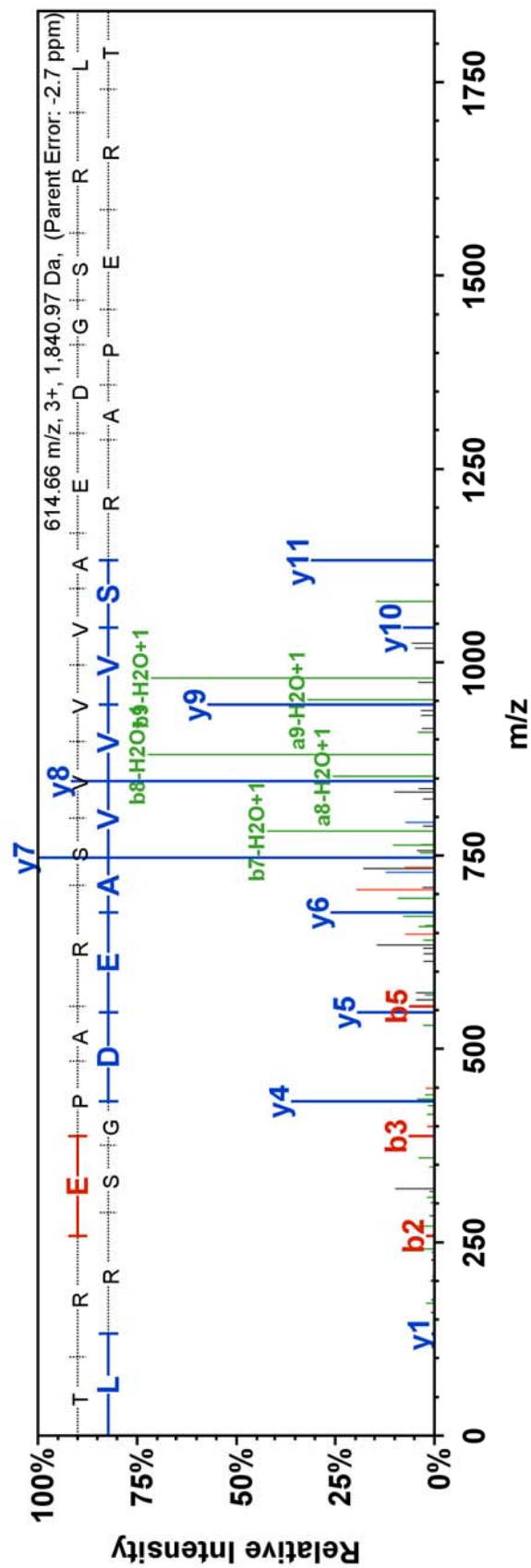
160AYTRAENVYEW¹⁷⁰



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	72.0				A	1,386.7	693.8	1,369.6	1,368.7	11
2	235.1				Y	1,315.6	658.3	1,298.6	1,297.6	10
3	336.2			318.1	T	1,152.6	576.8	1,135.5	1,134.6	9
4	492.3	246.6	475.2	474.2	R	1,051.5	526.3	1,034.5	1,033.5	8
5	563.3	282.2	546.3	545.3	A	895.4			877.4	7
6	692.3	346.7	675.3	674.3	E	824.4			806.4	6
7	791.4	396.2	774.4	773.4	V	695.3			677.3	5
8	890.5	445.7	873.4	872.5	V	596.3			578.3	4
9	1,053.5	527.3	1,036.5	1,035.5	Y	497.2			479.2	3
10	1,182.6	591.8	1,165.6	1,164.6	E	334.1			316.1	2
11	1,386.7	693.8	1,369.6	1,368.7	W	205.1				1

alpha1 peptides

¹⁷¹TREPARSVVAEDGSRL¹⁸⁷



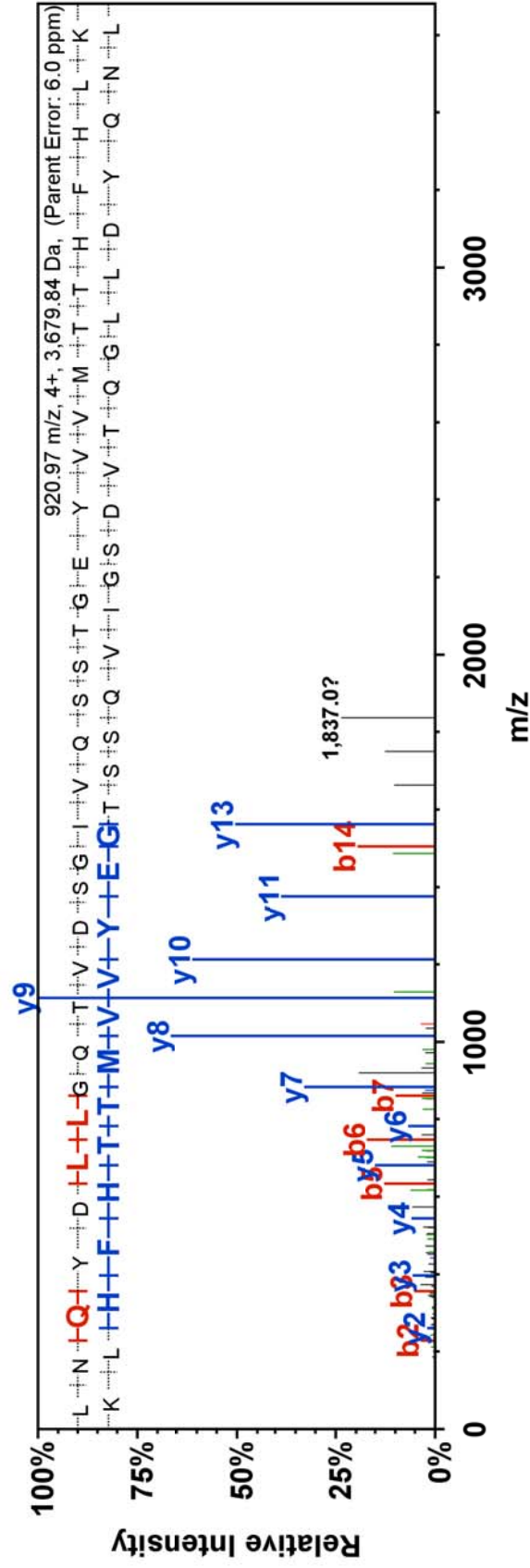
alpha1 peptides

171TREPARSVVAEDGSRL187

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1	51.5		84.0	T	1,842.0	921.5	1,825.0	1,824.0	17
2	258.2	129.6	241.1	240.1	R	1,740.9	871.0	1,723.9	1,722.9	16
3	387.2	194.1	370.2	369.2	E	1,584.8	792.9	1,567.8	1,566.8	15
4	484.3	242.6	467.2	466.2	P	1,455.8	728.4	1,438.8	1,437.8	14
5	555.3	278.1	538.3	537.3	A	1,358.7	679.9	1,341.7	1,340.7	13
6	711.4	356.2	694.4	693.4	R	1,287.7	644.4	1,270.7	1,269.7	12
7	798.4	399.7	781.4	780.4	S	1,131.6	566.3	1,114.6	1,113.6	11
8	897.5	449.2	880.5	879.5	V	1,044.6	522.8	1,027.5	1,026.6	10
9	996.6	498.8	979.5	978.5	V	945.5	473.3	928.5	927.5	9
10	1,095.6	548.3	1,078.6	1,077.6	V	846.4	423.7	829.4	828.4	8
11	1,166.7	583.8	1,149.6	1,148.7	A	747.4	374.2	730.3	729.4	7
12	1,295.7	648.4	1,278.7	1,277.7	E	676.3	338.7	659.3	658.3	6
13	1,410.7	705.9	1,393.7	1,392.7	D	547.3	274.1	530.3	529.3	5
14	1,467.8	734.4	1,450.7	1,449.7	G	432.3	216.6	415.2	414.2	4
15	1,554.8	777.9	1,537.8	1,536.8	S	375.2	188.1	358.2	357.2	3
16	1,710.9	855.9	1,693.9	1,692.9	R	288.2	144.6	271.2		2
17	1,842.0	921.5	1,825.0	1,824.0	L	132.1	66.6			1

alpha1 peptides

¹⁸⁷LNQYDLLGQTVDSGIVQSSSTGEYVVMTTTFHLK²¹⁹



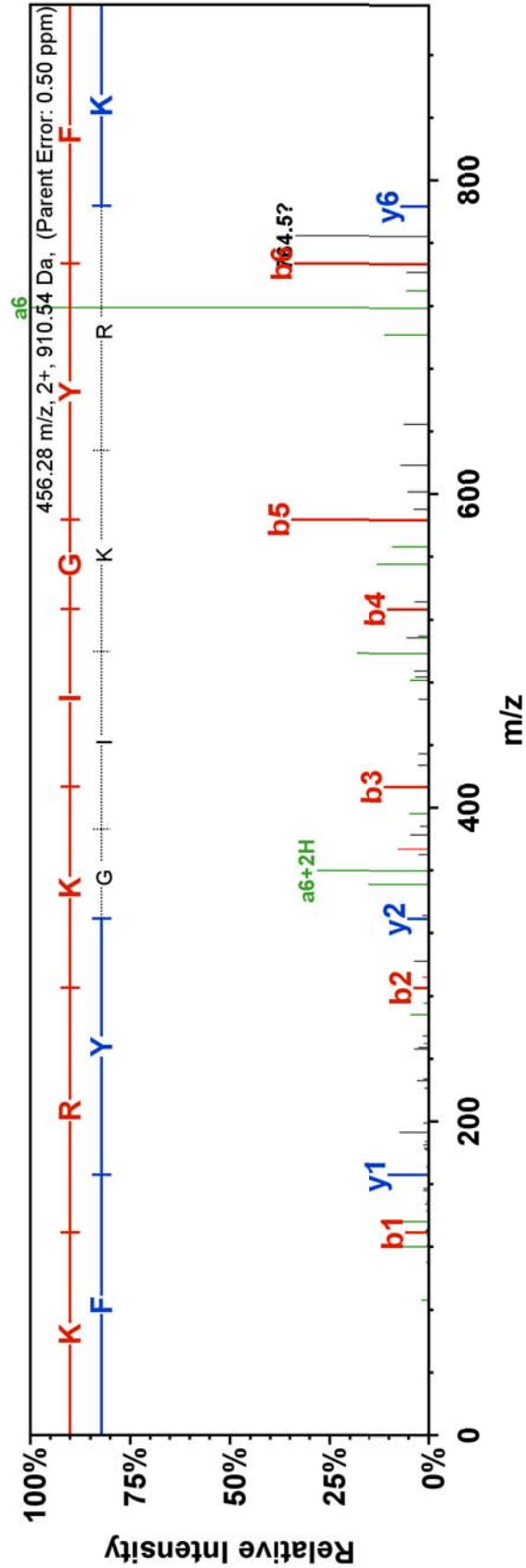
alpha1 peptides

187LNQYDLLGQTVDSGIVQSTGEYVVMTTTFHLK²¹⁹

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1	57.5			L	3,680.8	1,840.9	3,663.8	3,662.8	33
2	228.1	114.6	211.1		N	3,567.7	1,784.4	3,550.7	3,549.7	32
3	356.2	178.6	339.2		Q	3,453.7	1,727.4	3,436.7	3,435.7	31
4	519.3	260.1	502.2		Y	3,325.6	1,663.3	3,308.6	3,307.6	30
5	634.3	317.6	617.3	616.3	D	3,162.6	1,581.8	3,145.6	3,144.6	29
6	747.4	374.2	730.3	729.4	L	3,047.6	1,524.3	3,030.5	3,029.5	28
7	860.5	430.7	843.4	842.4	L	2,934.5	1,467.7	2,917.4	2,916.5	27
8	917.5	459.2	900.4	899.5	G	2,821.4	1,411.2	2,804.4	2,803.4	26
9	1,045.5	523.3	1,028.5	1,027.5	Q	2,764.4	1,382.7	2,747.3	2,746.4	25
10	1,146.6	573.8	1,129.6	1,128.6	T	2,636.3	1,318.7	2,619.3	2,618.3	24
11	1,245.6	623.3	1,228.6	1,227.6	Y	2,535.3	1,268.1	2,518.2	2,517.2	23
12	1,360.7	680.8	1,343.6	1,342.7	D	2,436.2	1,218.6	2,419.2	2,418.2	22
13	1,447.7	724.4	1,430.7	1,429.7	S	2,321.2	1,161.1	2,304.1	2,303.1	21
14	1,504.7	752.9	1,487.7	1,486.7	G	2,234.1	1,117.6	2,217.1	2,216.1	20
15	1,617.8	809.4	1,600.8	1,599.8	I	2,177.1	1,089.1	2,160.1	2,159.1	19
16	1,716.9	858.9	1,699.9	1,698.9	Y	2,064.0	1,032.5	2,047.0	2,046.0	18
17	1,844.9	923.0	1,827.9	1,826.9	Q	1,965.0	983.0	1,947.9	1,946.9	17
18	1,932.0	966.5	1,914.9	1,914.0	S	1,836.9	919.0	1,819.9	1,818.9	16
19	2,019.0	1,010.0	2,002.0	2,001.0	S	1,749.9	875.4	1,732.8	1,731.9	15
20	2,120.1	1,060.5	2,103.0	2,102.0	T	1,662.8	831.9	1,645.8	1,644.8	14
21	2,177.1	1,089.0	2,160.0	2,159.1	G	1,561.8	781.4	1,544.8	1,543.8	13
22	2,306.1	1,153.6	2,289.1	2,288.1	E	1,504.8	752.9	1,487.7	1,486.8	12
23	2,469.2	1,235.1	2,452.2	2,451.2	Y	1,375.7	688.4	1,358.7	1,357.7	11
24	2,568.2	1,284.6	2,551.2	2,550.2	Y	1,212.7	606.8	1,195.6	1,194.6	10
25	2,667.3	1,334.2	2,650.3	2,649.3	Y	1,113.6	557.3	1,096.6	1,095.6	9
26	2,798.4	1,399.7	2,781.3	2,780.3	M	1,014.5	507.8	997.5	996.5	8
27	2,899.4	1,450.2	2,882.4	2,881.4	T	883.5	442.2	866.5	865.5	7
28	3,000.5	1,500.7	2,983.4	2,982.4	T	782.4	391.7	765.4	764.4	6
29	3,137.5	1,569.3	3,120.5	3,119.5	H	681.4	341.2	664.4		5
30	3,284.6	1,642.8	3,267.6	3,266.6	F	544.3	272.7	527.3		4
31	3,421.6	1,711.3	3,404.6	3,403.6	H	397.3	199.1	380.2		3
32	3,534.7	1,767.9	3,517.7	3,516.7	L	260.2	130.6	243.2		2
33	3,680.8	1,840.9	3,663.8	3,662.8	K	147.1	74.1	130.1		1

alpha1 peptides

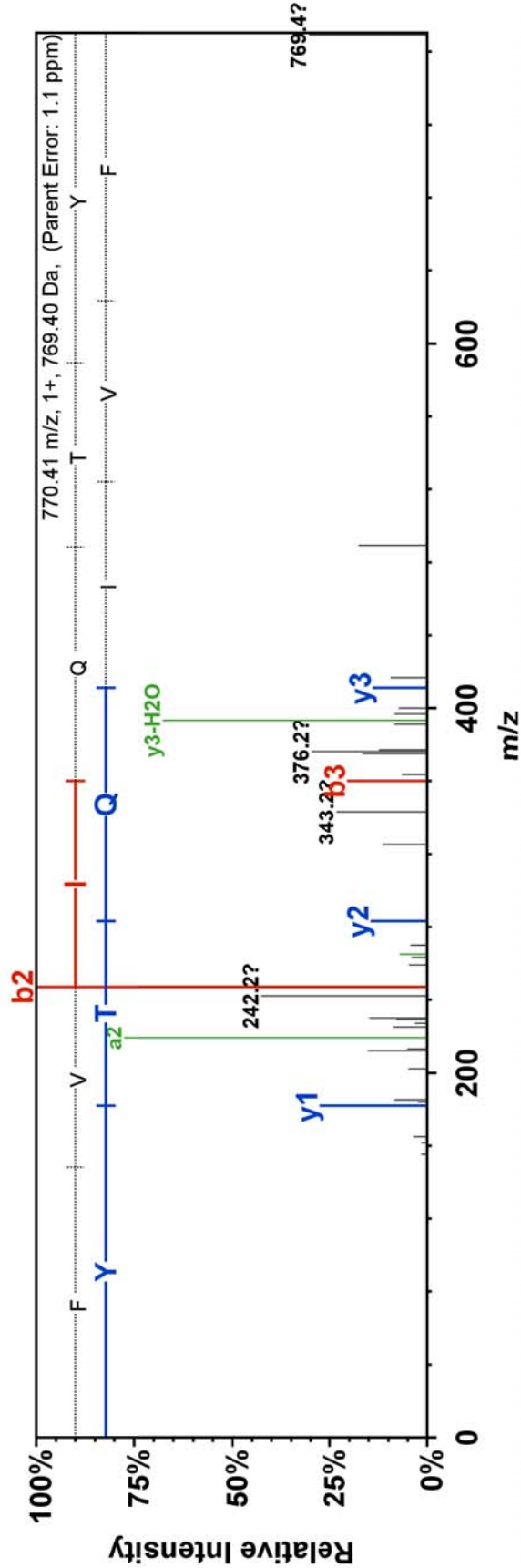
219KRKIGYF225



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	129.1	65.1	112.1		K	911.5	456.3	894.5		7
2	285.2	143.1	268.2		R	783.5	392.2	766.4		6
3	413.3	207.2	396.3		K	627.4		610.3		5
4	526.4	263.7	509.4		I	499.3				4
5	583.4	292.2	566.4		G	386.2				3
6	746.5	373.7	729.4		Y	329.1				2
7	911.5	456.3	894.5		F	166.1				1

alpha1 peptides

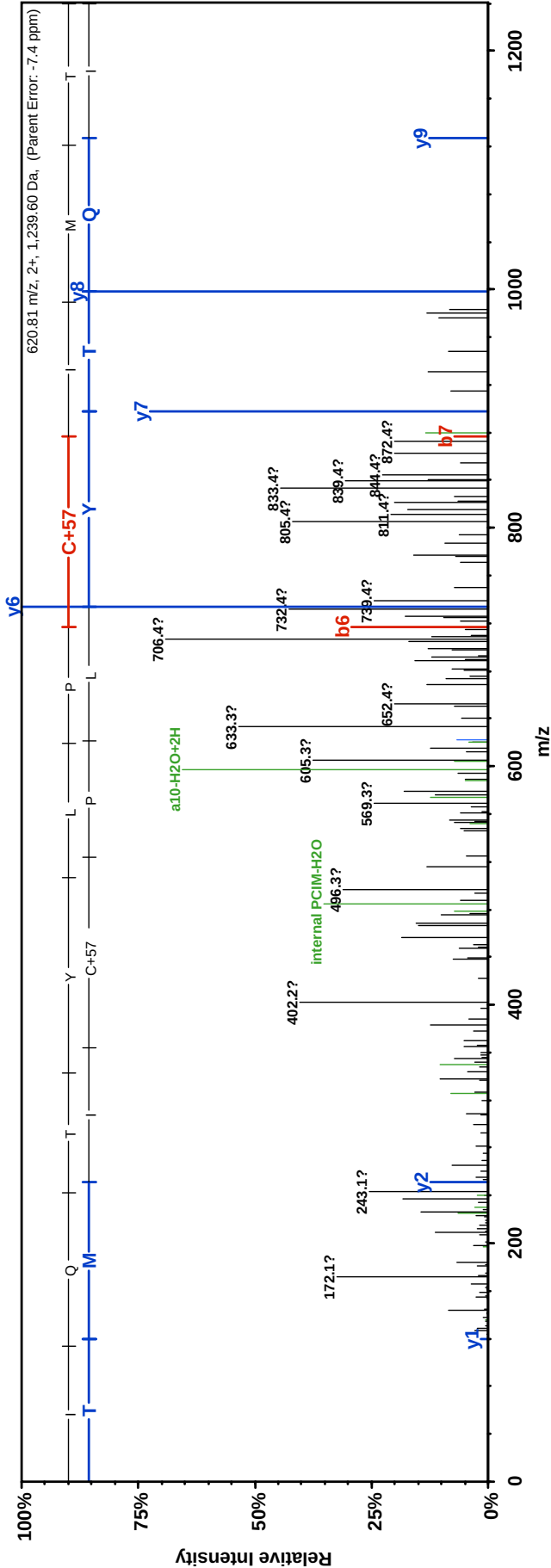
225FVIQTY230



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	148.1				F	770.4		753.4	752.4	6
2	247.1				V	623.3		606.3	605.3	5
3	360.2				I	524.3		507.2	506.3	4
4	488.3		471.3		Q	411.2		394.2	393.2	3
5	589.3		572.3	571.3	T	283.1			265.1	2
6	770.4		753.4	752.4	Y	182.1				1

alpha1 peptides

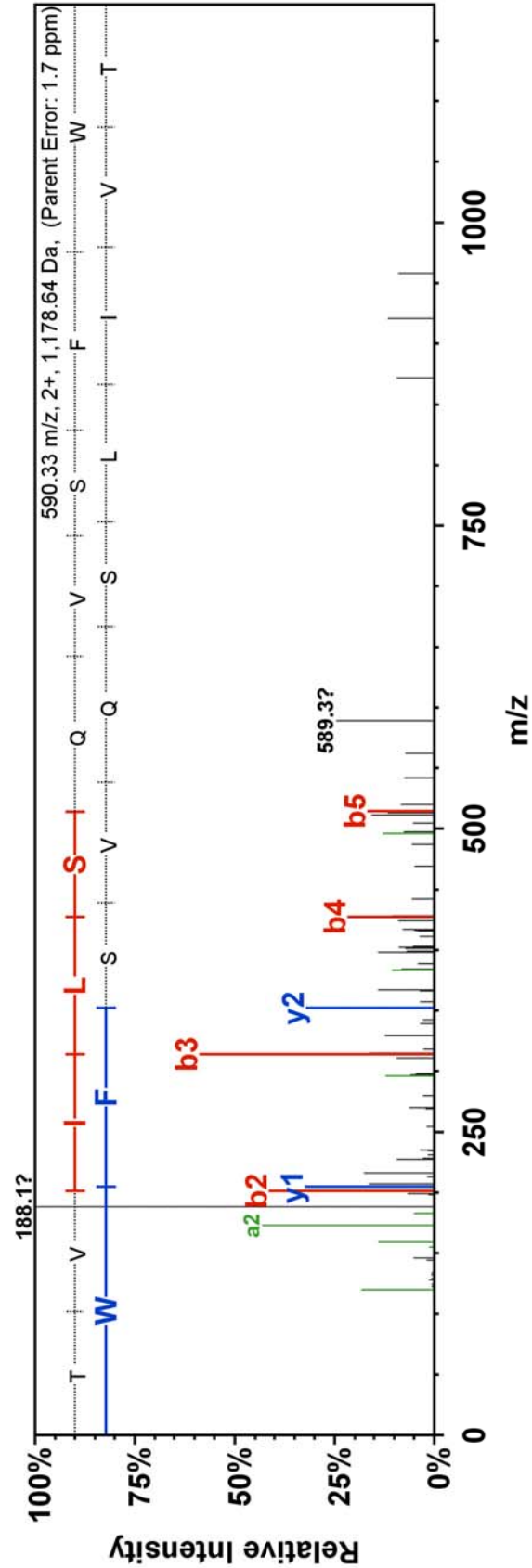
227IQTYLPcIMT236



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				I	1,239.6		1,222.6	1,221.6	10
2	242.1		225.1		Q	1,126.5		1,109.5	1,108.5	9
3	343.2		326.2	325.2	T	998.5			980.5	8
4	506.3		489.2	488.3	Y	897.4			879.4	7
5	619.3		602.3	601.3	L	734.4			716.3	6
6	716.4	358.7	699.4	698.4	P	621.3			603.3	5
7	876.4	438.7	859.4	858.4	C+57	524.2			506.2	4
8	989.5	495.3	972.5	971.5	I	364.2			346.2	3
9	1,120.6	560.8	1,103.5	1,102.5	M	251.1			233.1	2
10	1,239.6	620.3	1,222.6	1,221.6	T	120.1			102.1	1

alpha1 peptides

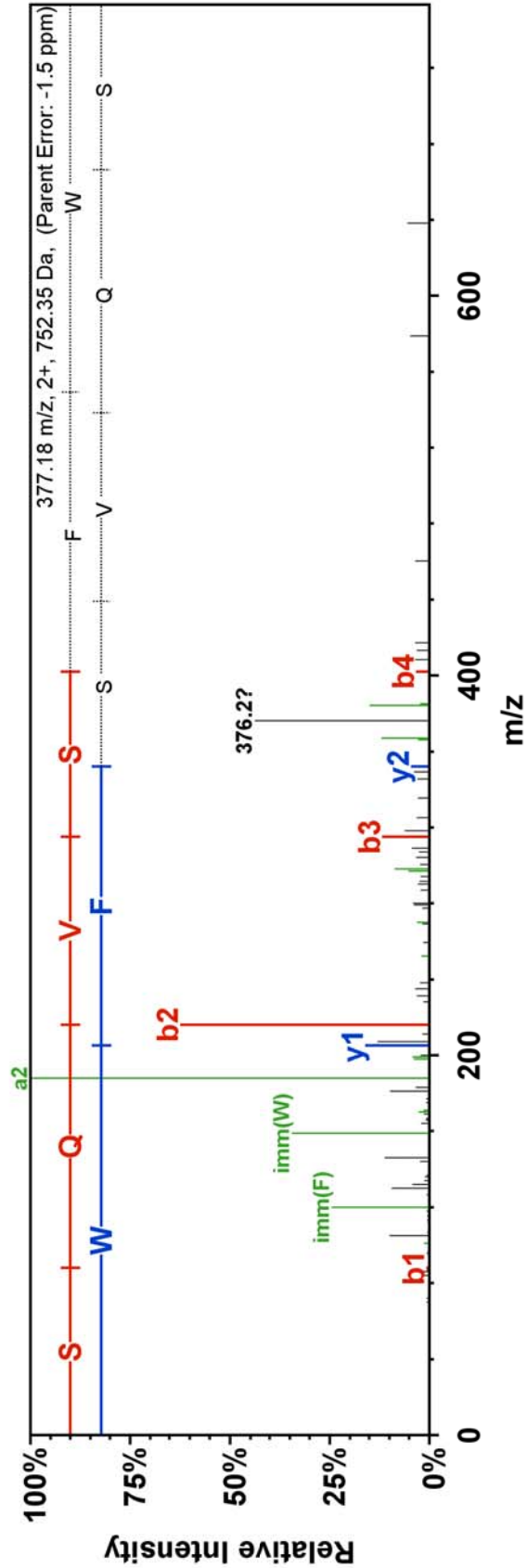
236TVILSQVSW²⁴⁵



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1			84.0	T	1,179.6		1,162.6	1,161.6	10
2	201.1			183.1	V	1,078.6		1,061.6	1,060.6	9
3	314.2			296.2	I	979.5		962.5	961.5	8
4	427.3			409.3	L	866.4		849.4	848.4	7
5	514.3			496.3	S	753.4		736.3	735.3	6
6	642.4	321.7	625.4	624.4	Q	666.3		649.3	648.3	5
7	741.5	371.2	724.4	723.4	V	538.3			520.3	4
8	828.5	414.7	811.5	810.5	S	439.2			421.2	3
9	975.6	488.3	958.5	957.5	F	352.2				2
10	1,179.6	590.3	1,162.6	1,161.6	W	205.1				1

alpha1 peptides

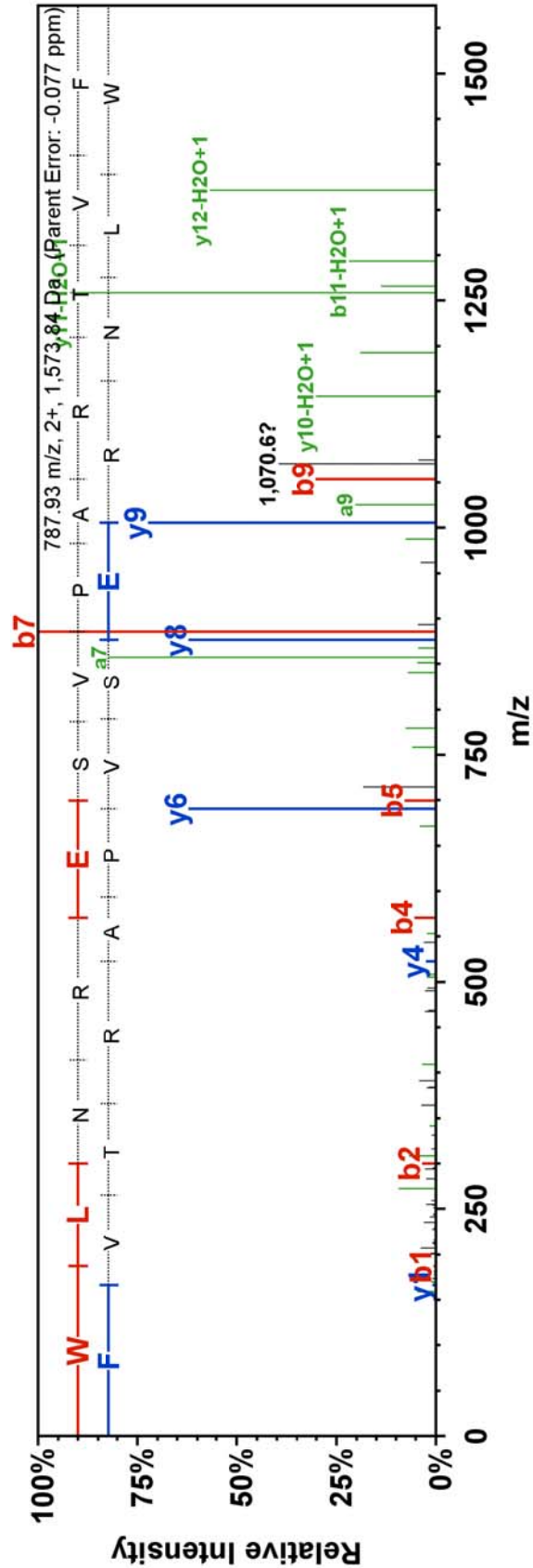
240SQVSW²⁴⁵



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0			70.0	S	753.4		736.3	735.3	6
2	216.1		199.1	198.1	Q	666.3		649.3	648.3	5
3	315.2		298.1	297.2	V	538.3			520.3	4
4	402.2		385.2	384.2	S	439.2			421.2	3
5	549.3		532.2	531.3	F	352.2				2
6	753.4	377.2	736.3	735.3	W	205.1				1

alpha1 peptides

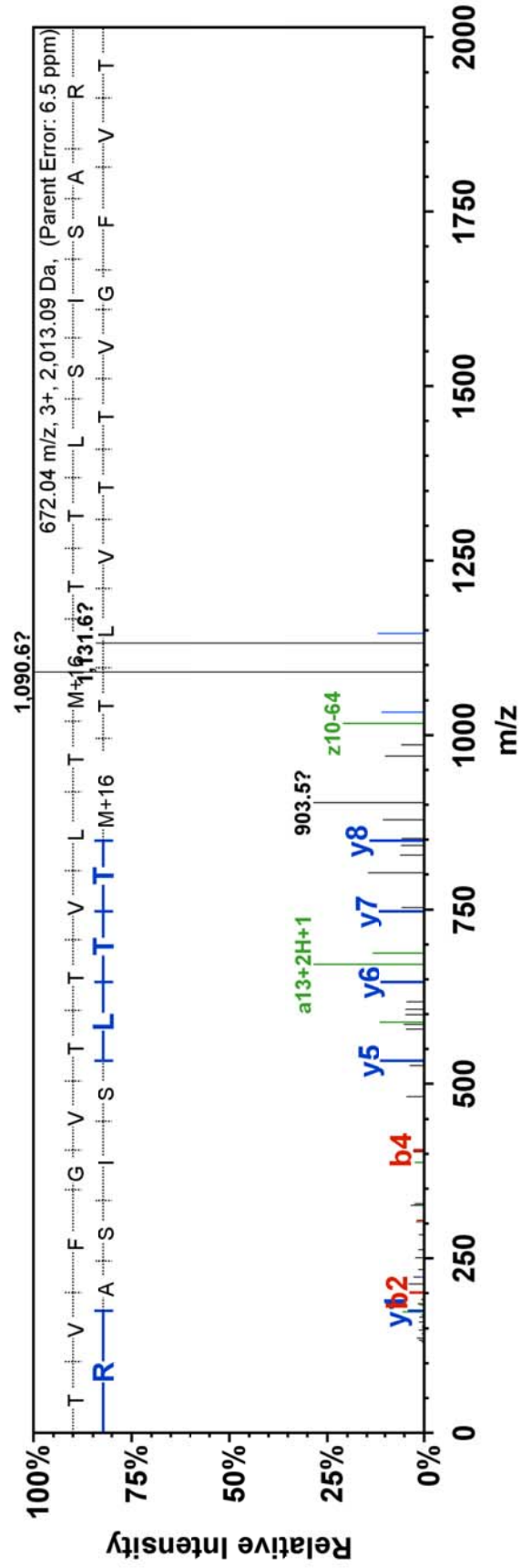
245WLNRESVPARTVF257



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	187.1				W	1,574.8	787.9	1,557.8	1,556.8	13
2	300.2				L	1,388.8	694.9	1,371.7	1,370.8	12
3	414.2		397.2		N	1,275.7	638.3	1,258.7	1,257.7	11
4	570.3	285.7	553.3		R	1,161.6	581.3	1,144.6	1,143.6	10
5	699.4	350.2	682.3	681.3	E	1,005.5	503.3	988.5	987.5	9
6	786.4	393.7	769.4	768.4	S	876.5	438.8	859.5	858.5	8
7	885.5	443.2	868.4	867.4	V	789.5	395.2	772.4	771.5	7
8	982.5	491.8	965.5	964.5	P	690.4	345.7	673.4	672.4	6
9	1,053.5	527.3	1,036.5	1,035.5	A	593.3		576.3	575.3	5
10	1,209.6	605.3	1,192.6	1,191.6	R	522.3		505.3	504.3	4
11	1,310.7	655.9	1,293.7	1,292.7	T	366.2			348.2	3
12	1,409.8	705.4	1,392.7	1,391.8	V	265.2				2
13	1,574.8	787.9	1,557.8	1,556.8	F	166.1				1

alpha1 peptides

255TVFGVTTVLmTTLSISAR²⁷³



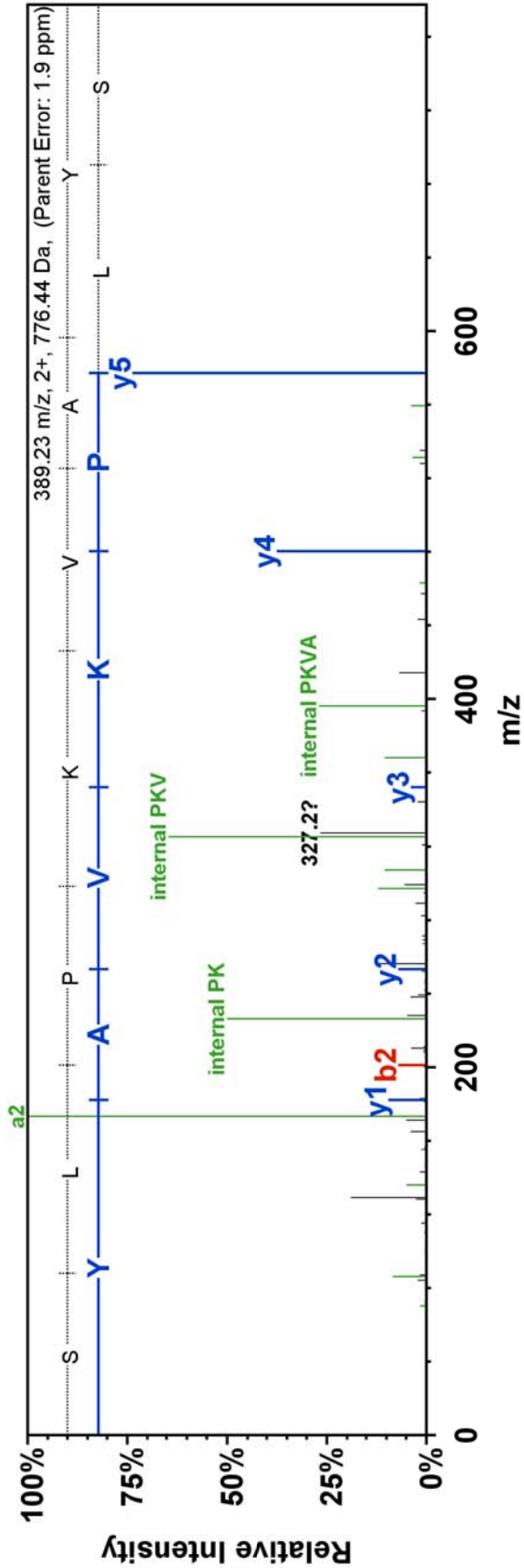
alpha1 peptides

255TVFGVTTVLmTTLSISAR²⁷³

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1	51.5		84.0	T	2,014.1	1,007.5	1,997.1	1,996.1	19
2	201.1	101.1		183.1	V	1,913.0	957.0	1,896.0	1,895.0	18
3	348.2	174.6		330.2	F	1,814.0	907.5	1,796.9	1,796.0	17
4	405.2	203.1		387.2	G	1,666.9	834.0	1,649.9	1,648.9	16
5	504.3	252.6		486.3	V	1,609.9	805.4	1,592.9	1,591.9	15
6	605.3	303.2		587.3	T	1,510.8	755.9	1,493.8	1,492.8	14
7	706.4	353.7		688.4	T	1,409.8	705.4	1,392.7	1,391.8	13
8	805.4	403.2		787.4	V	1,308.7	654.9	1,291.7	1,290.7	12
9	918.5	459.8		900.5	L	1,209.7	605.3	1,192.6	1,191.6	11
10	1,019.6	510.3		1,001.6	T	1,096.6	548.8	1,079.5	1,078.6	10
11	1,166.6	583.8		1,148.6	M+16	995.5	498.3	978.5	977.5	9
12	1,267.7	634.3		1,249.6	T	848.5	424.7	831.5	830.5	8
13	1,368.7	684.9		1,350.7	T	747.4	374.2	730.4	729.4	7
14	1,481.8	741.4		1,463.8	L	646.4	323.7	629.4	628.4	6
15	1,568.8	784.9		1,550.8	S	533.3	267.2	516.3	515.3	5
16	1,681.9	841.5		1,663.9	I	446.3	223.6	429.2	428.3	4
17	1,768.9	885.0		1,750.9	S	333.2	167.1	316.2	315.2	3
18	1,840.0	920.5		1,822.0	A	246.2	123.6	229.1		2
19	2,014.1	1,007.5	1,997.1	1,996.1	R	175.1	88.1	158.1		1

alpha1 peptides

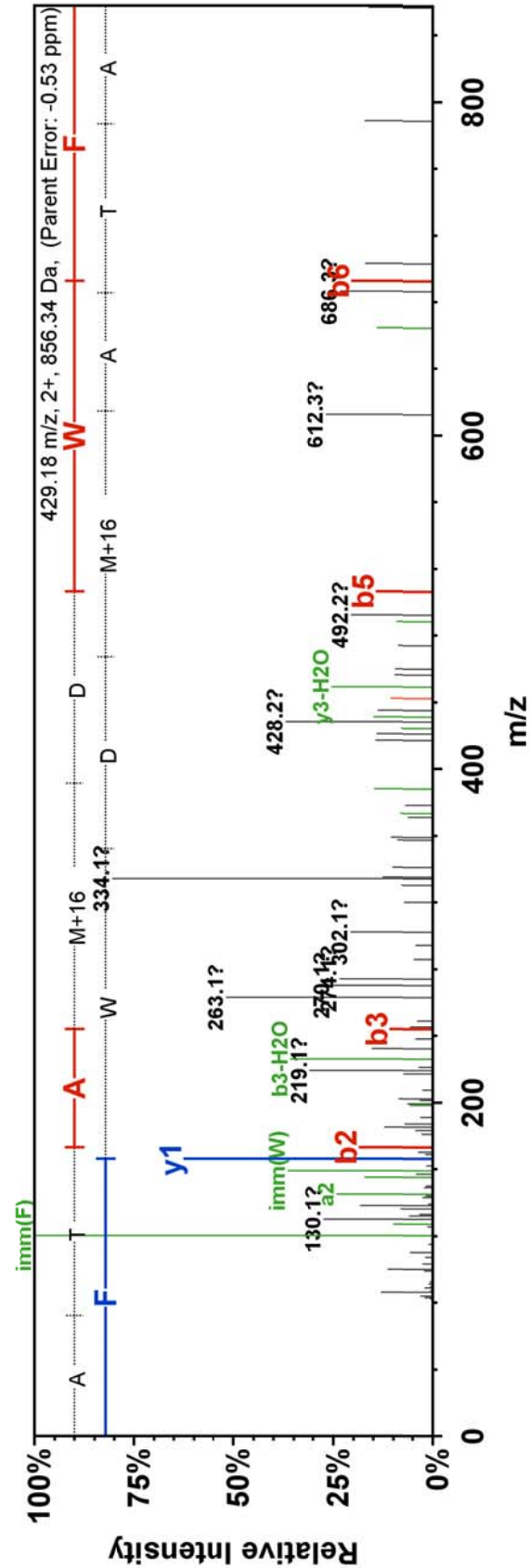
275SLPKVAY281



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0			70.0	S	777.5	389.2	760.4	759.4	7
2	201.1			183.1	L	690.4	345.7	673.4		6
3	298.2			280.2	P	577.3		560.3		5
4	426.3	213.6	409.2	408.3	K	480.3		463.3		4
5	525.3	263.2	508.3	507.3	V	352.2				3
6	596.4	298.7	579.4	578.4	A	253.1				2
7	777.5	389.2	760.4	759.4	Y	182.1				1

alpha1 peptides

282ATAmDWF288

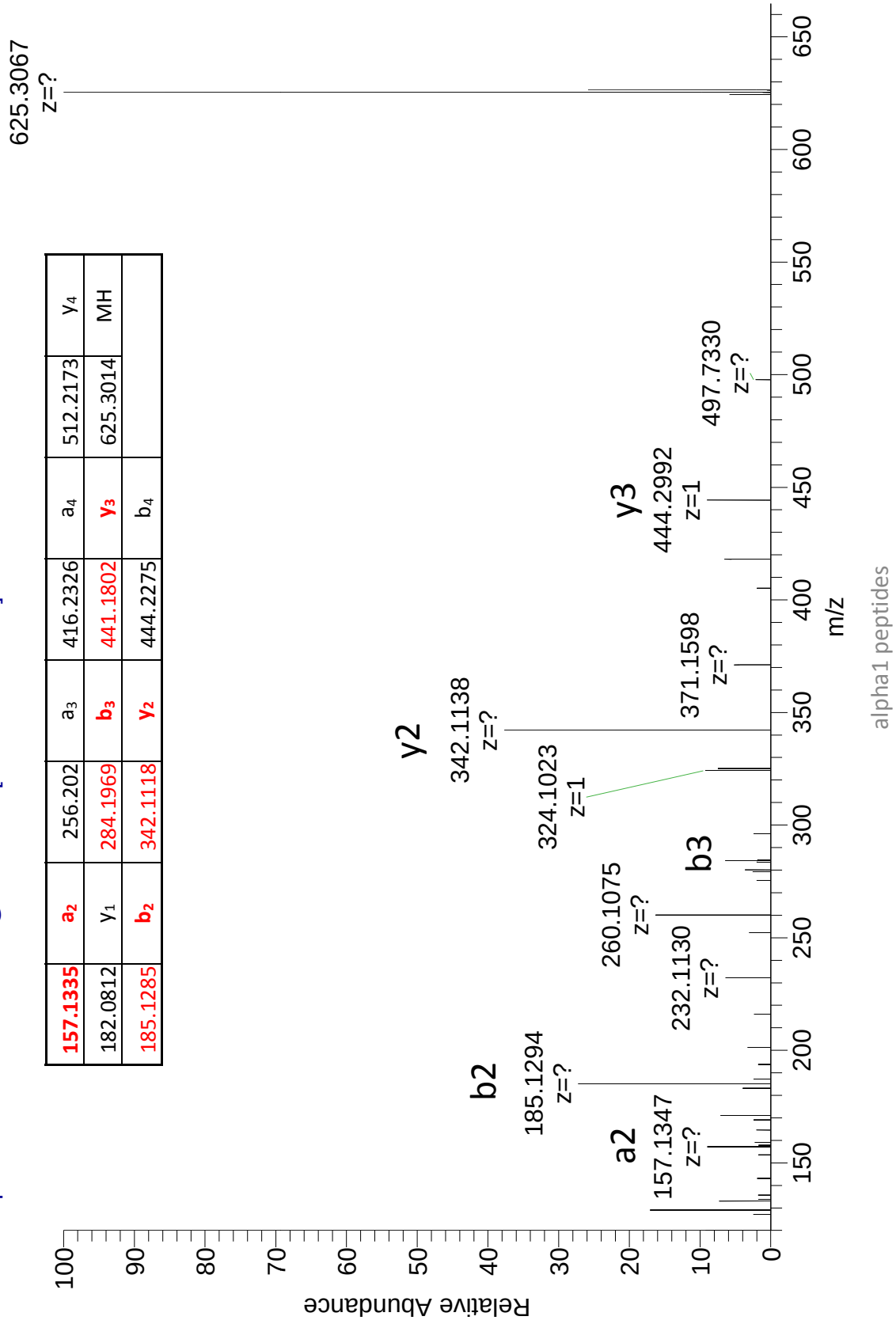


B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	72.0				A	857.3			839.3	7
2	173.1			155.1	T	786.3			768.3	6
3	244.1			226.1	A	685.3			667.3	5
4	391.2			373.2	M+16	614.2			596.2	4
5	506.2			488.2	D	467.2			449.2	3
6	692.3	346.6		674.3	W	352.2				2
7	857.3	429.2		839.3	F	166.1				1

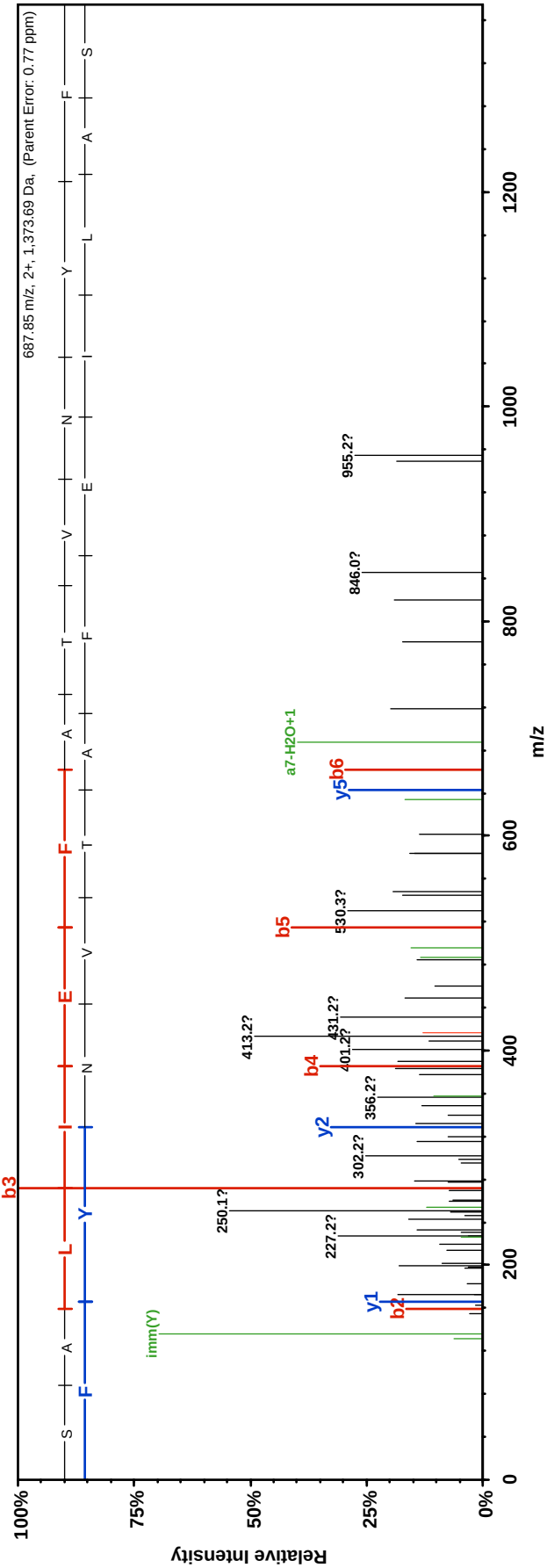
alpha1 peptides

289I**AV**cY293

Evers_209_2988_291_02 #5185 RT: 42.04 AV: 1 NL: 7.69E3
T: FTMS + p NSI d Full ms2 625.64@hcd35.00 [120.00-1890.00]



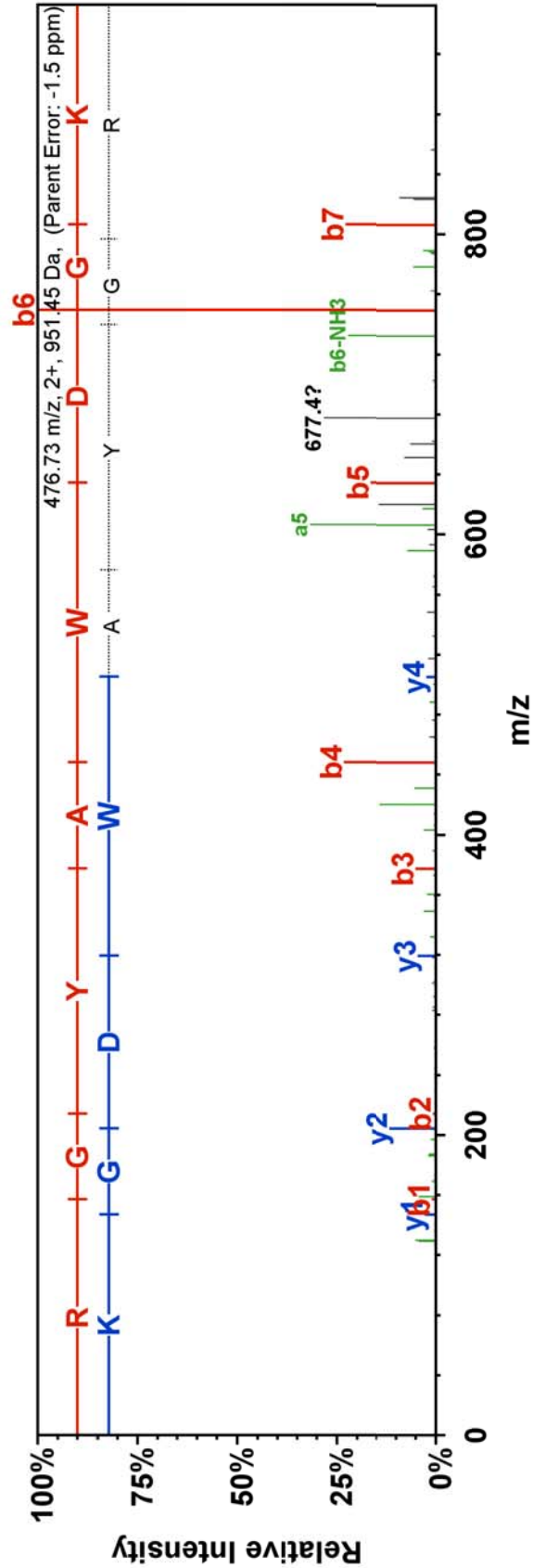
298SALIEFATVNYF309



B	B Ions	B+2H	B-NH3	B+H2O	AA	Y Ions	Y+2H	Y-NH3	Y+H2O	Y
1	88.0			70.0	S	1,374.7		1,357.7	1,356.7	12
2	159.1			141.1	A	1,287.7		1,270.6	1,269.7	11
3	272.2			254.1	L	1,216.6		1,199.6	1,198.6	10
4	385.2			367.2	I	1,103.5		1,086.5	1,085.5	9
5	514.3			496.3	E	990.5		973.4	972.4	8
6	661.4	331.2		643.3	F	861.4		844.4	843.4	7
7	732.4	366.7		714.4	A	714.3		697.3	696.3	6
8	833.4	417.2		815.4	T	643.3		626.3	625.3	5
9	932.5	466.8		914.5	V	542.3		525.2		4
10	1,046.6	523.8	1,029.5	1,028.5	N	443.2		426.2		3
11	1,209.6	605.3	1,192.6	1,191.6	Y	329.1				2
12	1,374.7	687.9	1,357.7	1,356.7	F	166.1				1

alpha1 peptides

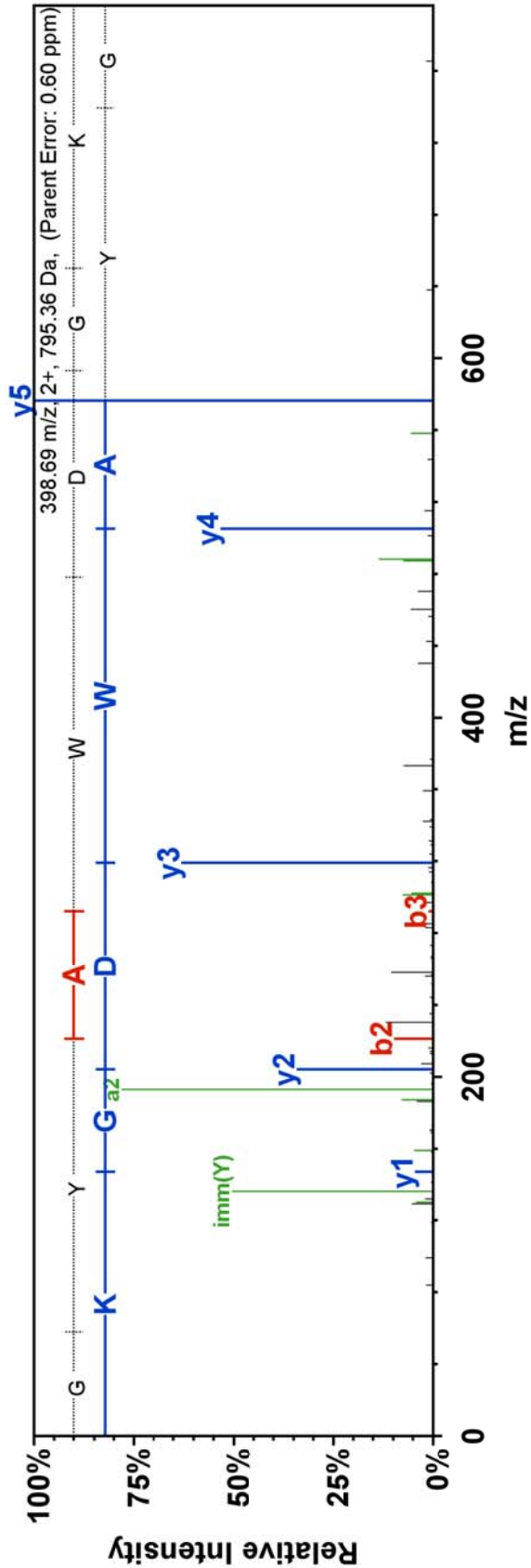
312RGYAWDGK319



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y+H2O	Y
1	157.1	79.1	140.1		R	952.5	476.7	935.4	934.5	8
2	214.1	107.6	197.1		G	796.4	398.7	779.3	778.4	7
3	377.2	189.1	360.2		Y	739.3	370.2	722.3	721.3	6
4	448.2	224.6	431.2		A	576.3		559.3	558.3	5
5	634.3	317.7	617.3		W	505.2		488.2	487.2	4
6	749.3	375.2	732.3	731.3	D	319.2		302.1	301.2	3
7	806.4	403.7	789.3	788.3	G	204.1		187.1		2
8	952.5	476.7	935.4	934.5	K	147.1		130.1		1

alpha1 peptides

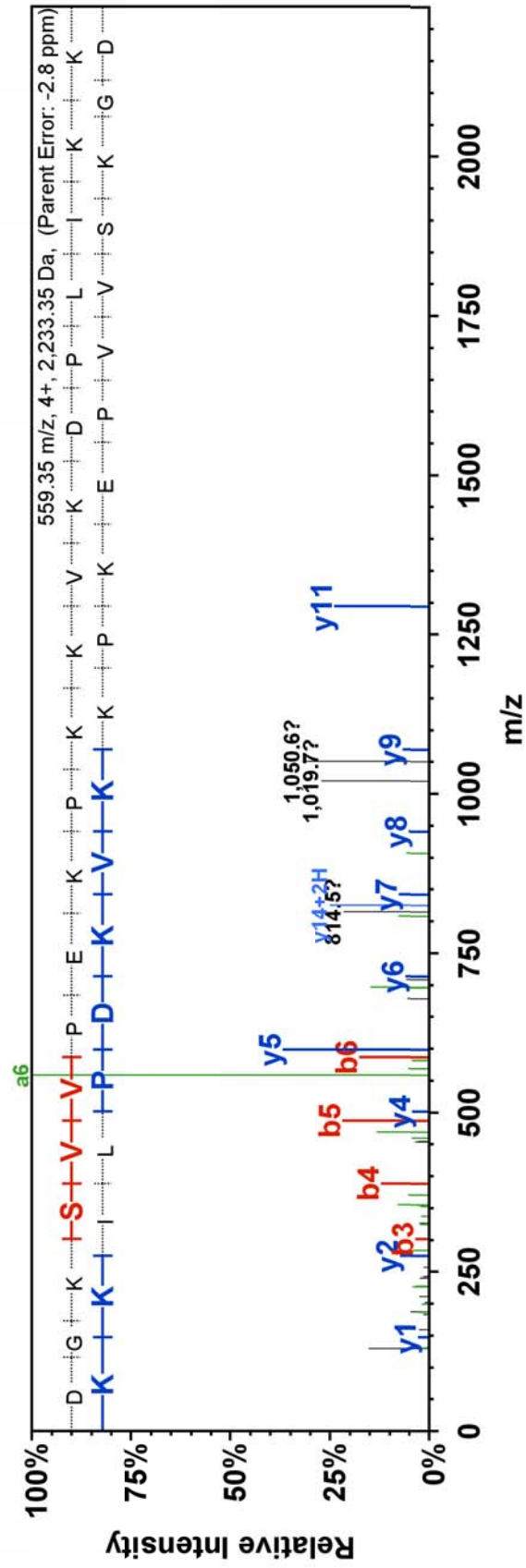
313GYAWDGK319



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	58.0				G	796.4	398.7	779.3	778.4	7
2	221.1				Y	739.3	370.2	722.3	721.3	6
3	292.1				A	576.3		559.3	558.3	5
4	478.2				W	505.2		488.2	487.2	4
5	593.2			575.2	D	319.2		302.1	301.2	3
6	650.3	325.6		632.2	G	204.1		187.1		2
7	796.4	398.7	779.3	778.4	K	147.1		130.1		1

alpha1 peptides

³¹⁷DGKSVVPEKPKVKDPLIKK³³⁶



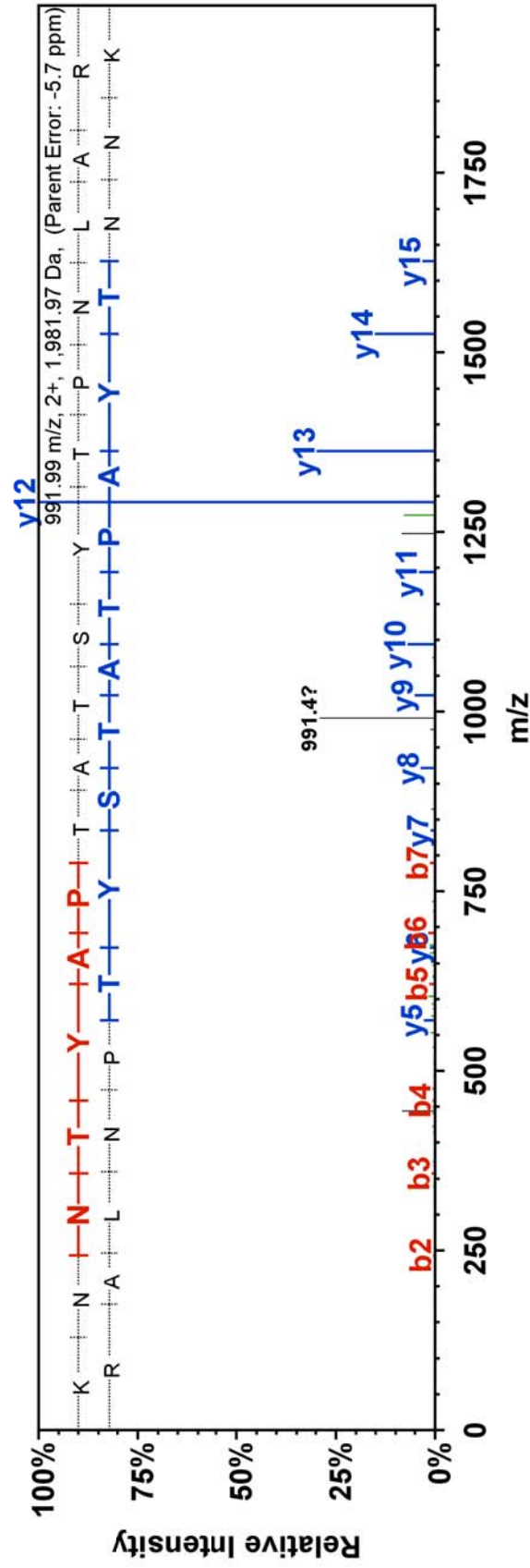
alpha1 peptides

317DGKSVPEKPKVKDPLIKK³³⁶

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	116.0	58.5		98.0	D	2,233.4	1,117.2	2,216.3	2,215.4	20
2	173.1	87.0		155.0	G	2,118.3	1,059.7	2,101.3	2,100.3	19
3	301.2	151.1	284.1	283.1	K	2,061.3	1,031.2	2,044.3	2,043.3	18
4	388.2	194.6	371.2	370.2	S	1,933.2	967.1	1,916.2	1,915.2	17
5	487.3	244.1	470.2	469.2	V	1,846.2	923.6	1,829.2	1,828.2	16
6	586.3	293.7	569.3	568.3	V	1,747.1	874.1	1,730.1	1,729.1	15
7	683.4	342.2	666.3	665.4	P	1,648.1	824.5	1,631.0	1,630.0	14
8	812.4	406.7	795.4	794.4	E	1,551.0	776.0	1,534.0	1,533.0	13
9	940.5	470.8	923.5	922.5	K	1,422.0	711.5	1,404.9	1,403.9	12
10	1,037.6	519.3	1,020.5	1,019.6	P	1,293.9	647.4	1,276.8	1,275.9	11
11	1,165.7	583.3	1,148.6	1,147.6	K	1,196.8	598.9	1,179.8	1,178.8	10
12	1,293.8	647.4	1,276.7	1,275.7	K	1,068.7	534.9	1,051.7	1,050.7	9
13	1,392.8	696.9	1,375.8	1,374.8	V	940.6	470.8	923.6	922.6	8
14	1,520.9	761.0	1,503.9	1,502.9	K	841.6	421.3	824.5	823.5	7
15	1,635.9	818.5	1,618.9	1,617.9	D	713.5	357.2	696.4	695.4	6
16	1,733.0	867.0	1,716.0	1,715.0	P	598.4	299.7	581.4		5
17	1,846.1	923.5	1,829.1	1,828.1	L	501.4	251.2	484.3		4
18	1,959.2	980.1	1,942.1	1,941.2	I	388.3	194.6	371.3		3
19	2,087.3	1,044.1	2,070.2	2,069.2	K	275.2	138.1	258.2		2
20	2,233.4	1,117.2	2,216.3	2,215.4	K	147.1	74.1	130.1		1

alpha1 peptides

³³⁶KNNNTYAPTATSYTPNLR³⁵³



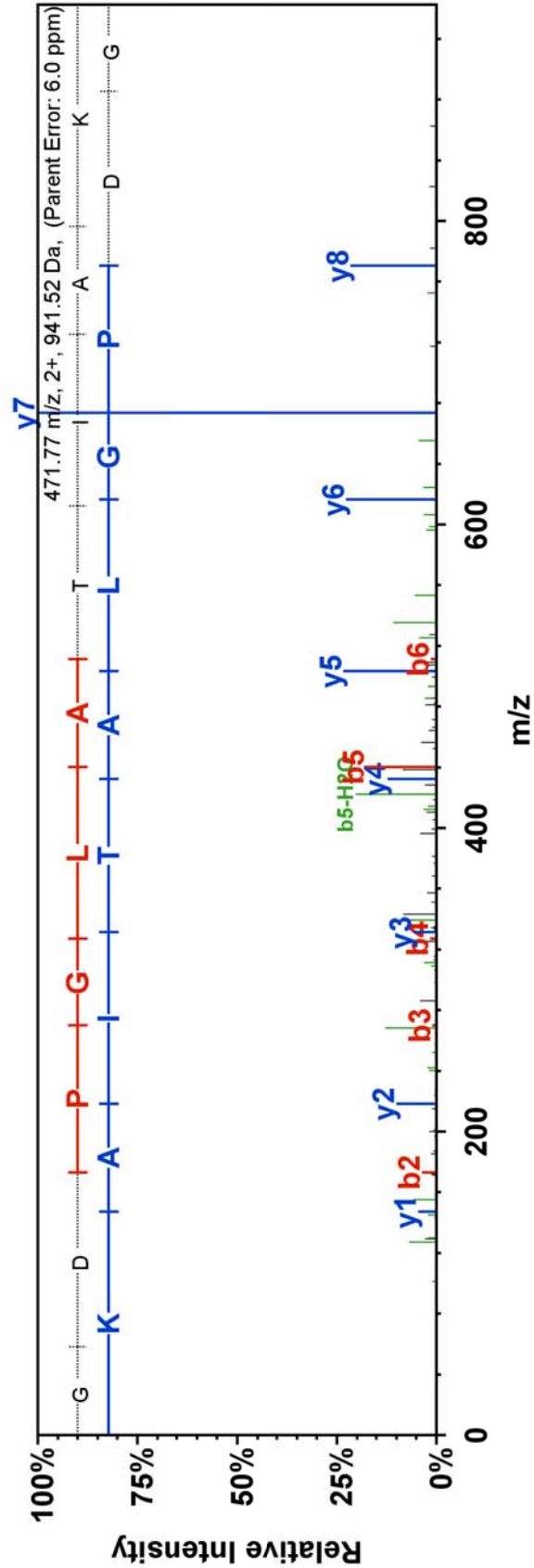
alpha1 peptides

336KNN³⁶TYAPTATSYTPN³⁵³LAR

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	129.1	65.1	112.1		K	1,983.0	992.0	1,966.0	1,965.0	18
2	243.1	122.1	226.1		N	1,854.9	928.0	1,837.9	1,836.9	17
3	357.2	179.1	340.2		N	1,740.9	870.9	1,723.8	1,722.8	16
4	458.2	229.6	441.2	440.2	T	1,626.8	813.9	1,609.8	1,608.8	15
5	621.3	311.2	604.3	603.3	Y	1,525.8	763.4	1,508.7	1,507.8	14
6	692.3	346.7	675.3	674.3	A	1,362.7	681.9	1,345.7	1,344.7	13
7	789.4	395.2	772.4	771.4	P	1,291.7	646.3	1,274.6	1,273.7	12
8	890.4	445.7	873.4	872.4	T	1,194.6	597.8	1,177.6	1,176.6	11
9	961.5	481.2	944.4	943.5	A	1,093.6	547.3	1,076.5	1,075.6	10
10	1,062.5	531.8	1,045.5	1,044.5	T	1,022.5	511.8	1,005.5	1,004.5	9
11	1,149.6	575.3	1,132.5	1,131.5	S	921.5	461.2	904.5	903.5	8
12	1,312.6	656.8	1,295.6	1,294.6	Y	834.4	417.7	817.4	816.4	7
13	1,413.7	707.3	1,396.6	1,395.7	T	671.4	336.2	654.4	653.4	6
14	1,510.7	755.9	1,493.7	1,492.7	P	570.3		553.3		5
15	1,624.8	812.9	1,607.7	1,606.7	N	473.3		456.3		4
16	1,737.8	869.4	1,720.8	1,719.8	L	359.2		342.2		3
17	1,808.9	904.9	1,791.9	1,790.9	A	246.2		229.1		2
18	1,983.0	992.0	1,966.0	1,965.0	R	175.1		158.1		1

alpha1 peptides

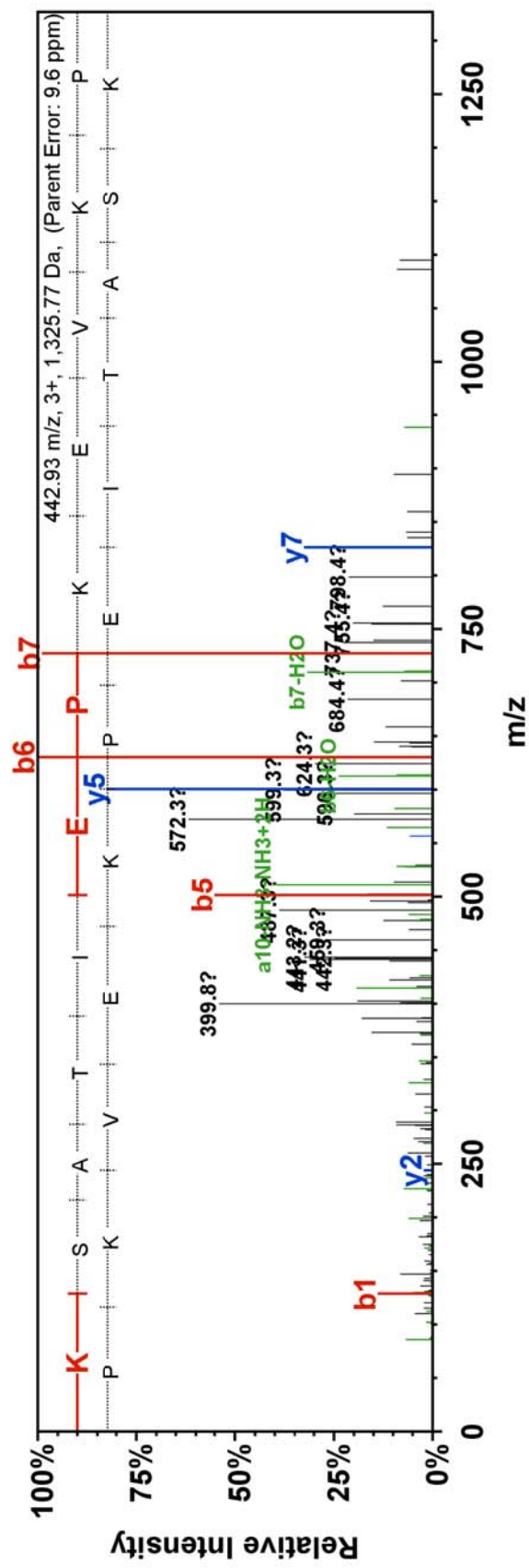
354GDPGLATIAK³⁶³



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	58.0				G	942.5	471.8	925.5	924.5	10
2	173.1			155.0	D	885.5	443.3	868.5	867.5	9
3	270.1			252.1	P	770.5	385.7	753.5	752.5	8
4	327.1			309.1	G	673.4	337.2	656.4	655.4	7
5	440.2			422.2	L	616.4	308.7	599.4	598.4	6
6	511.3	256.1		493.2	A	503.3		486.3	485.3	5
7	612.3	306.7		594.3	T	432.3		415.3	414.3	4
8	725.4	363.2		707.4	I	331.2		314.2		3
9	796.4	398.7		778.4	A	218.1		201.1		2
10	942.5	471.8	925.5	924.5	K	147.1		130.1		1

alpha1 peptides

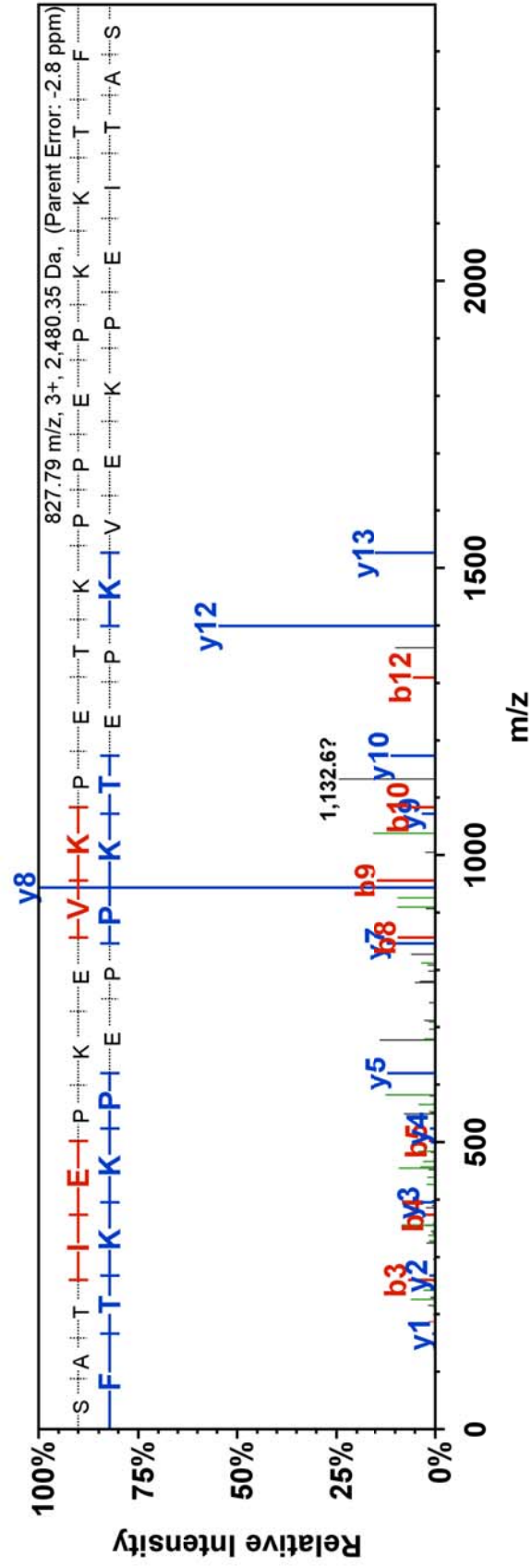
363KSATIEPKVKP374



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y+H2O	Y
1	129.1	65.1	112.1		K	1,326.8	663.9	1,309.7	1,308.8	12
2	216.1	108.6	199.1	198.1	S	1,198.7	599.8	1,181.6	1,180.7	11
3	287.2	144.1	270.1	269.2	A	1,111.6	556.3	1,094.6	1,093.6	10
4	388.2	194.6	371.2	370.2	T	1,040.6	520.8	1,023.6	1,022.6	9
5	501.3	251.2	484.3	483.3	I	939.6	470.3	922.5	921.5	8
6	630.3	315.7	613.3	612.3	E	826.5	413.7	809.4	808.5	7
7	727.4	364.2	710.4	709.4	P	697.4	349.2	680.4	679.4	6
8	855.5	428.3	838.5	837.5	K	600.4	300.7	583.3	582.4	5
9	984.5	492.8	967.5	966.5	E	472.3	236.6	455.3	454.3	4
10	1,083.6	542.3	1,066.6	1,065.6	V	343.2	172.1	326.2		3
11	1,211.7	606.4	1,194.7	1,193.7	K	244.2	122.6	227.1		2
12	1,326.8	663.9	1,309.7	1,308.8	P	116.1	58.5			1

alpha1 peptides

³⁶⁴SATIEPKENVKPKPPETKPPKKTFF385



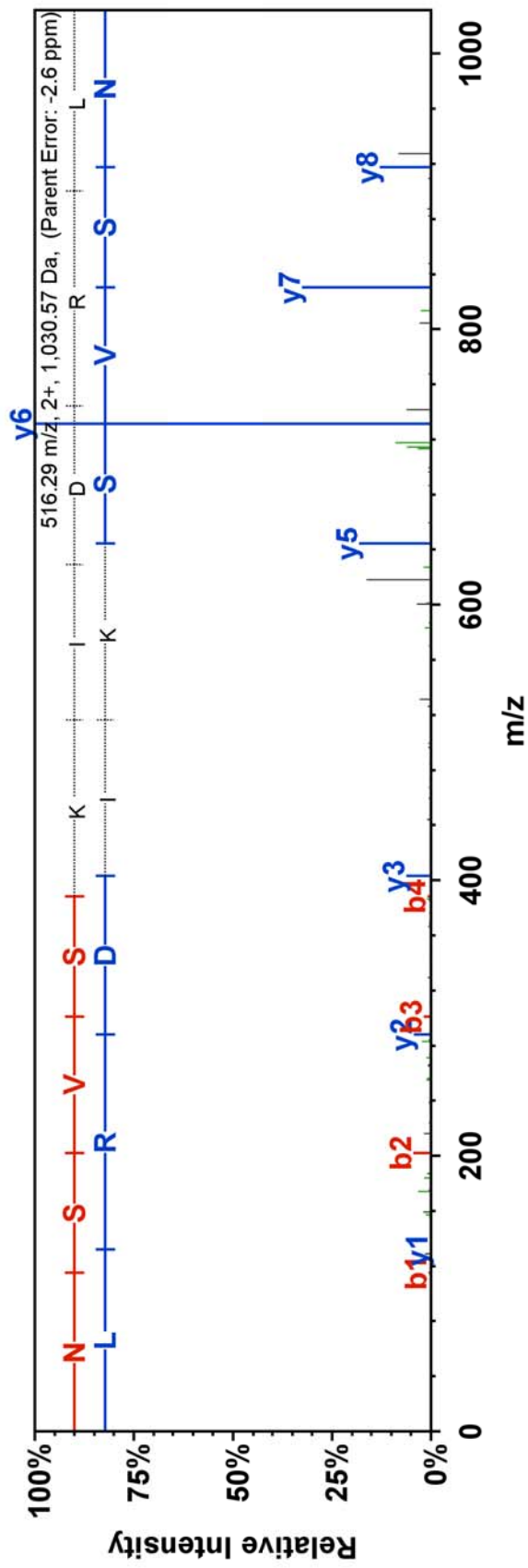
alpha1 peptides

364SATIEPKVKPETKPPPEKKTFF385

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0	44.5		70.0	S	2,481.4	1,241.2	2,464.3	2,463.3	22
2	159.1	80.0		141.1	A	2,394.3	1,197.7	2,377.3	2,376.3	21
3	260.1	130.6		242.1	T	2,323.3	1,162.1	2,306.3	2,305.3	20
4	373.2	187.1		355.2	I	2,222.2	1,111.6	2,205.2	2,204.2	19
5	502.3	251.6		484.2	E	2,109.2	1,055.1	2,092.1	2,091.1	18
6	599.3	300.2		581.3	P	1,980.1	990.6	1,963.1	1,962.1	17
7	727.4	364.2	710.4	709.4	K	1,883.1	942.0	1,866.0	1,865.1	16
8	856.4	428.7	839.4	838.4	E	1,755.0	878.0	1,737.9	1,737.0	15
9	955.5	478.3	938.5	937.5	V	1,625.9	813.5	1,608.9	1,607.9	14
10	1,083.6	542.3	1,066.6	1,065.6	K	1,526.9	763.9	1,509.8	1,508.8	13
11	1,180.7	590.8	1,163.6	1,162.6	P	1,398.8	699.9	1,381.7	1,380.8	12
12	1,309.7	655.4	1,292.7	1,291.7	E	1,301.7	651.4	1,284.7	1,283.7	11
13	1,410.7	705.9	1,393.7	1,392.7	T	1,172.7	586.8	1,155.6	1,154.7	10
14	1,538.8	769.9	1,521.8	1,520.8	K	1,071.6	536.3	1,054.6	1,053.6	9
15	1,635.9	818.5	1,618.9	1,617.9	P	943.5	472.3	926.5	925.5	8
16	1,732.9	867.0	1,715.9	1,714.9	P	846.5	423.7	829.4	828.5	7
17	1,862.0	931.5	1,845.0	1,844.0	E	749.4	375.2	732.4	731.4	6
18	1,959.0	980.0	1,942.0	1,941.0	P	620.4	310.7	603.4	602.4	5
19	2,087.1	1,044.1	2,070.1	2,069.1	K	523.3	262.2	506.3	505.3	4
20	2,215.2	1,108.1	2,198.2	2,197.2	K	395.2	198.1	378.2	377.2	3
21	2,316.3	1,158.6	2,299.3	2,298.3	T	267.1	134.1		249.1	2
22	2,481.4	1,241.2	2,464.3	2,463.3	F	166.1	83.5			1

alpha1 peptides

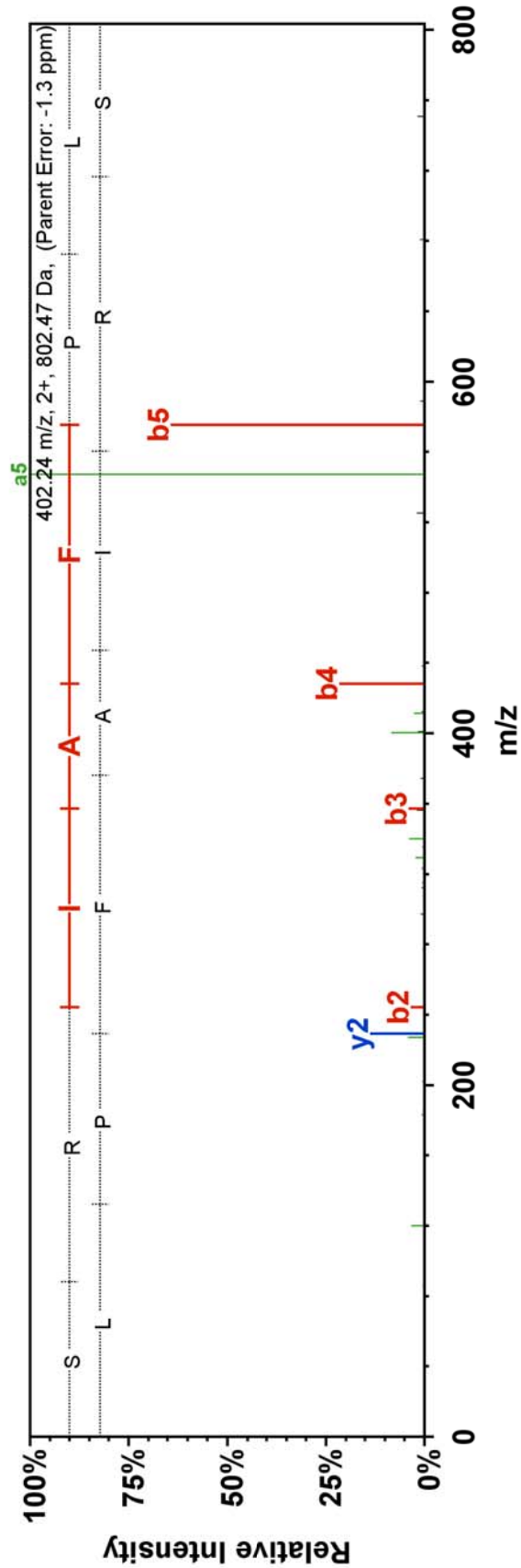
386NSVSKIDRL394



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	115.1		98.0		N	1,031.6	516.3	1,014.6	1,013.6	9
2	202.1		185.1	184.1	S	917.5	459.3	900.5	899.5	8
3	301.2		284.1	283.1	V	830.5	415.8	813.5	812.5	7
4	388.2		371.2	370.2	S	731.4	366.2	714.4	713.4	6
5	516.3	258.6	499.3	498.3	K	644.4	322.7	627.4	626.4	5
6	629.4	315.2	612.3	611.4	I	516.3		499.3	498.3	4
7	744.4	372.7	727.4	726.4	D	403.2		386.2	385.2	3
8	900.5	450.7	883.5	882.5	R	288.2		271.2		2
9	1,031.6	516.3	1,014.6	1,013.6	L	132.1				1

alpha1 peptides

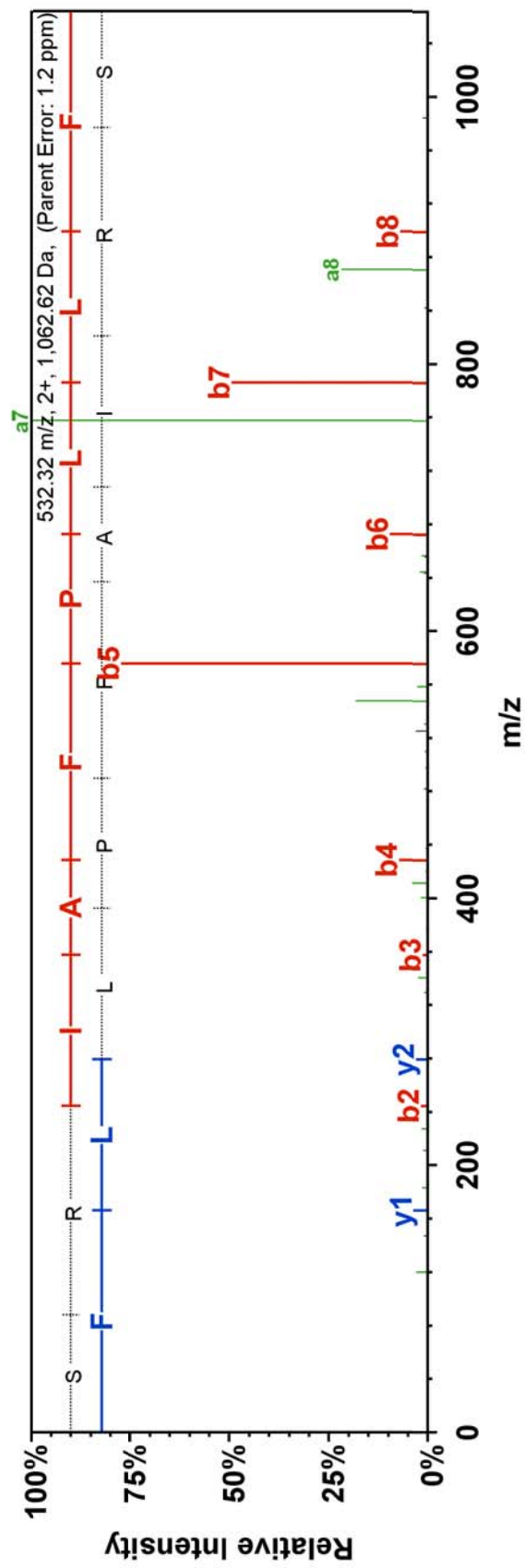
395SRIAFPL401



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0			70.0	S	803.5	402.2	786.5	785.5	7
2	244.1	122.6	227.1	226.1	R	716.4	358.7	699.4		6
3	357.2	179.1	340.2	339.2	I	560.3				5
4	428.3	214.6	411.2	410.3	A	447.3				4
5	575.3	288.2	558.3	557.3	F	376.2				3
6	672.4	336.7	655.4	654.4	P	229.2				2
7	803.5	402.2	786.5	785.5	L	132.1				1

alpha1 peptides

395SRIAFPLLF403

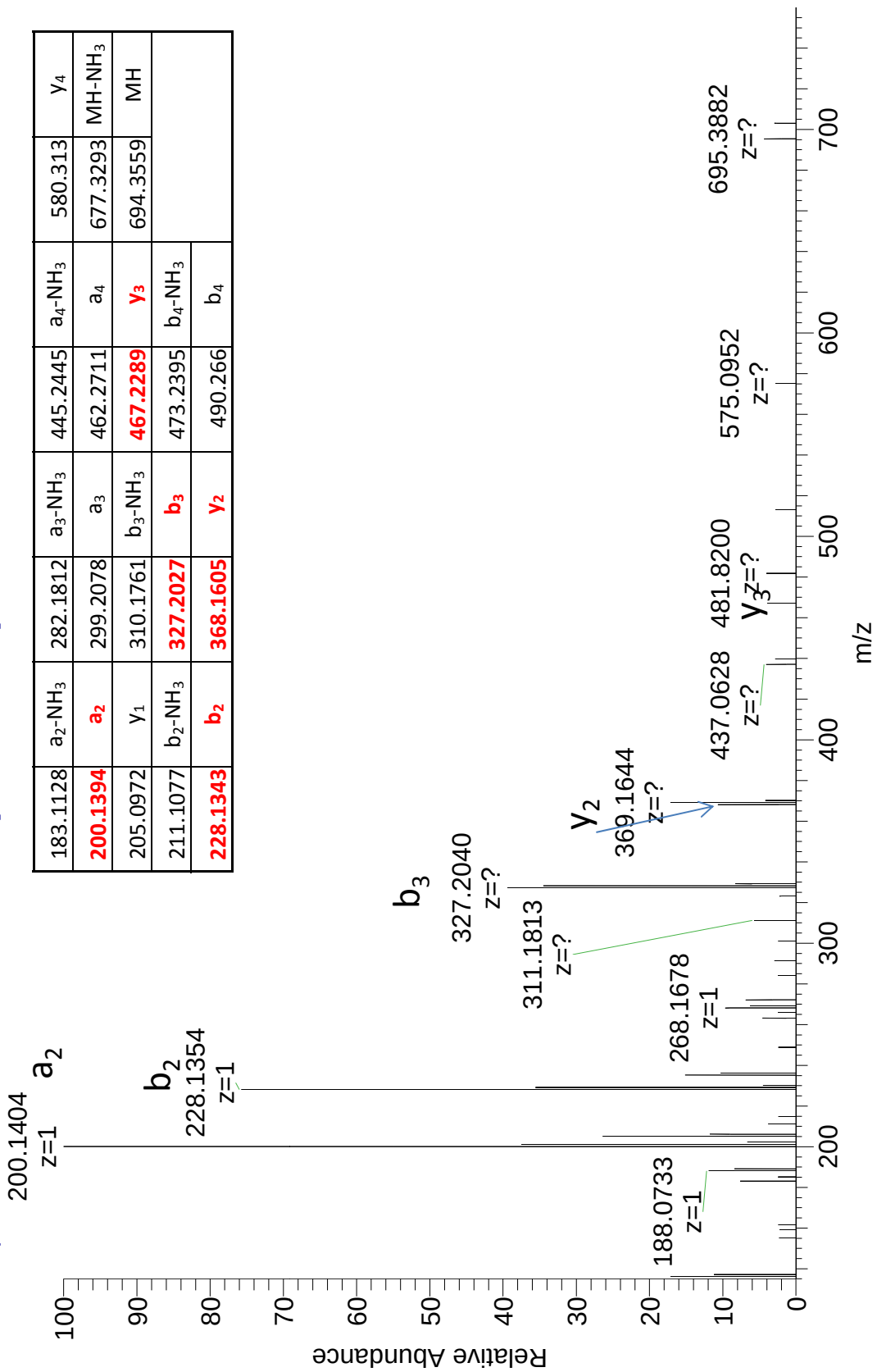


B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0			70.0	S	1,063.6	532.3	1,046.6	1,045.6	9
2	244.1	122.6	227.1	226.1	R	976.6	488.8	959.6		8
3	357.2	179.1	340.2	339.2	I	820.5				7
4	428.3	214.6	411.2	410.3	A	707.4				6
5	575.3	288.2	558.3	557.3	F	636.4				5
6	672.4	336.7	655.4	654.4	P	489.3				4
7	785.5	393.2	768.4	767.5	L	392.3				3
8	898.6	449.8	881.5	880.5	L	279.2				2
9	1,063.6	532.3	1,046.6	1,045.6	F	166.1				1

alpha1 peptides

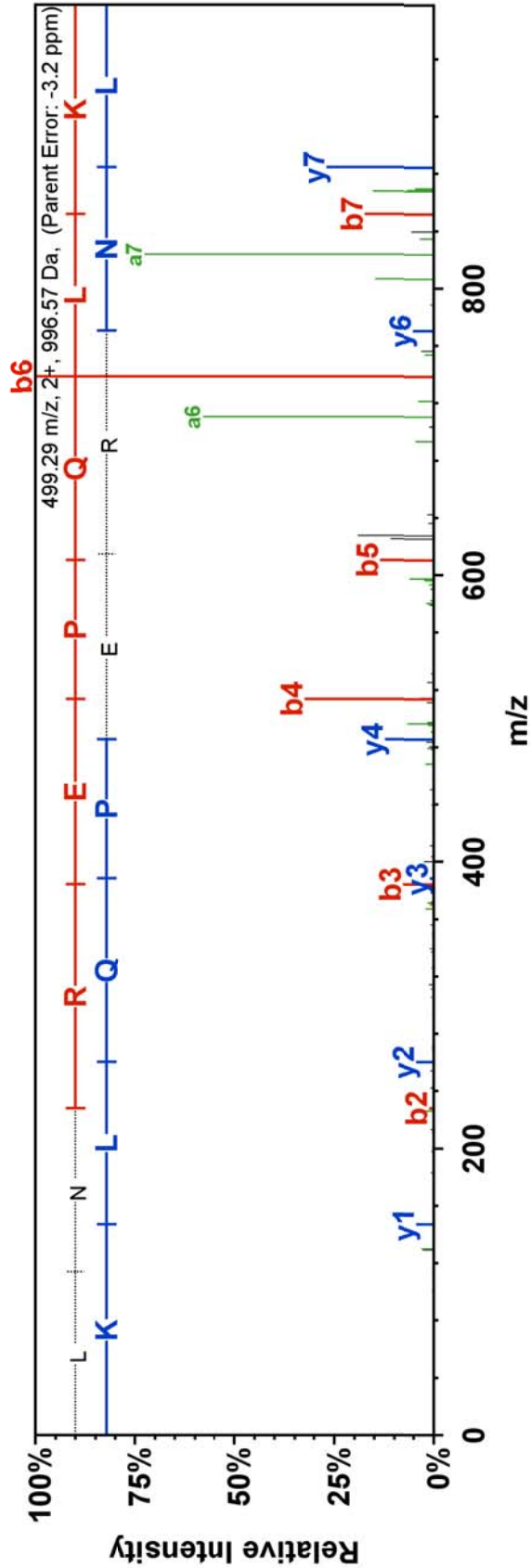
407NLVYW⁴¹¹

Evers_209_2988_291_03_#7782 RT: 61.90 AV: 1 NL: 6.42E3
T: FTMS + p NSI d Full ms2 696.33@hcd35.00 [135.00-1405.00]



alpha1 peptides

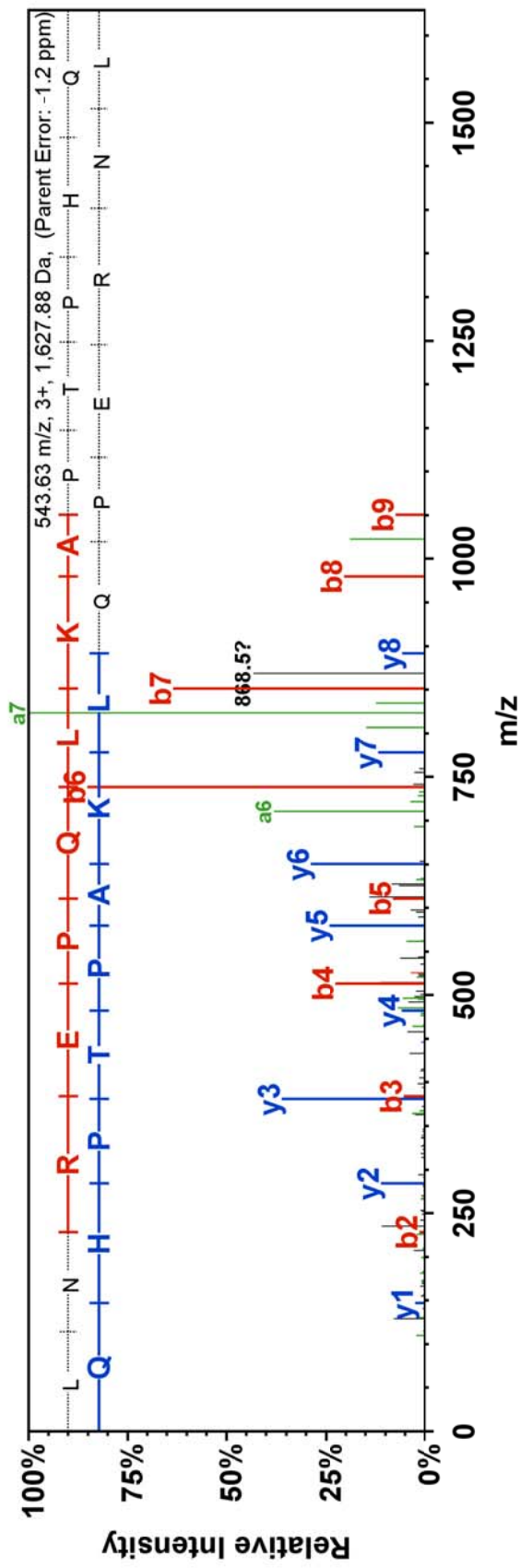
415LNREPQLK⁴²²



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				L	997.6	499.3	980.6	979.6	8
2	228.1		211.1		N	884.5	442.8	867.5	866.5	7
3	384.2	192.6	367.2		R	770.5	385.7	753.4	752.4	6
4	513.3	257.1	496.3	495.3	E	614.4		597.3	596.3	5
5	610.3	305.7	593.3	592.3	P	485.3		468.3		4
6	738.4	369.7	721.4	720.4	Q	388.3		371.2		3
7	851.5	426.2	834.4	833.5	L	260.2		243.2		2
8	997.6	499.3	980.6	979.6	K	147.1		130.1		1

alpha1 peptides

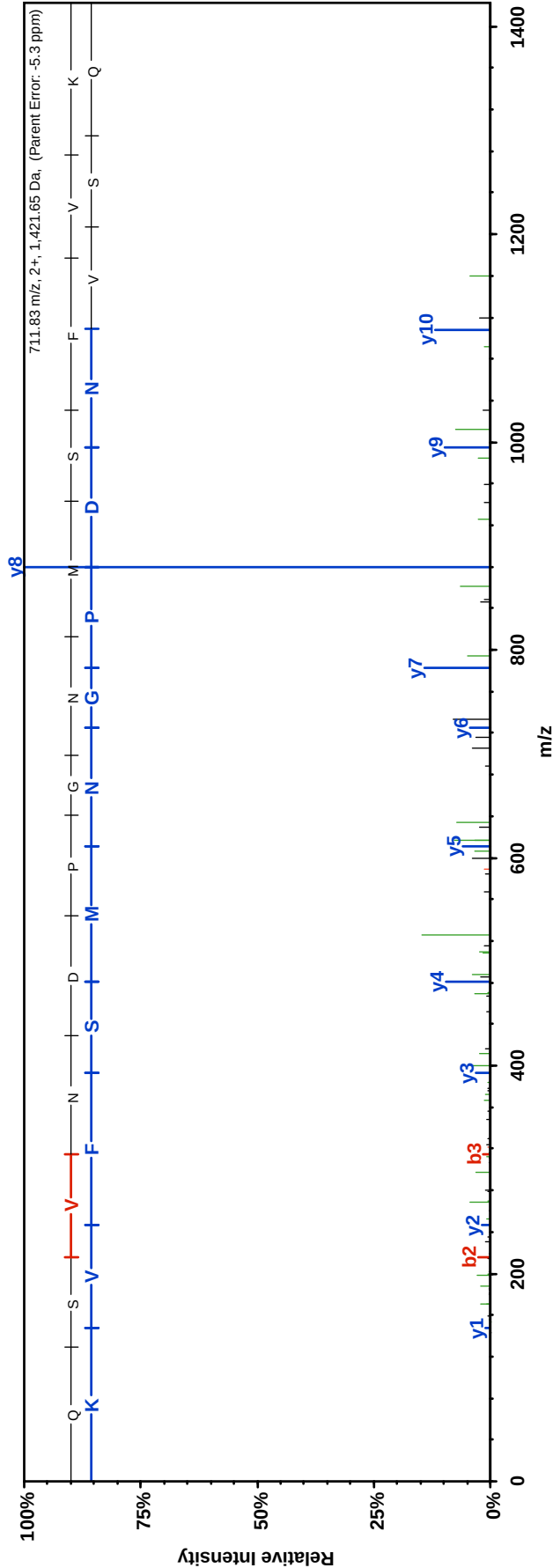
415LNREPQLKAPTPHQ⁴²⁸



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1	57.5			L	1,628.9	814.9	1,611.9	1,610.9	14
2	228.1	114.6	211.1		N	1,515.8	758.4	1,498.8	1,497.8	13
3	384.2	192.6	367.2		R	1,401.8	701.4	1,384.7	1,383.7	12
4	513.3	257.1	496.3	495.3	E	1,245.7	623.3	1,228.6	1,227.6	11
5	610.3	305.7	593.3	592.3	P	1,116.6	558.8	1,099.6	1,098.6	10
6	738.4	369.7	721.4	720.4	Q	1,019.6	510.3	1,002.5	1,001.6	9
7	851.5	426.2	834.4	833.5	L	891.5	446.3	874.5	873.5	8
8	979.6	490.3	962.5	961.6	K	778.4	389.7	761.4	760.4	7
9	1,050.6	525.8	1,033.6	1,032.6	A	650.3	325.7	633.3	632.3	6
10	1,147.7	574.3	1,130.6	1,129.6	P	579.3	290.1	562.3	561.3	5
11	1,248.7	624.9	1,231.7	1,230.7	T	482.2	241.6	465.2	464.2	4
12	1,345.8	673.4	1,328.7	1,327.7	P	381.2	191.1	364.2		3
13	1,482.8	741.9	1,465.8	1,464.8	H	284.1	142.6	267.1		2
14	1,628.9	814.9	1,611.9	1,610.9	Q	147.1	74.0	130.0		1

alpha1 peptides

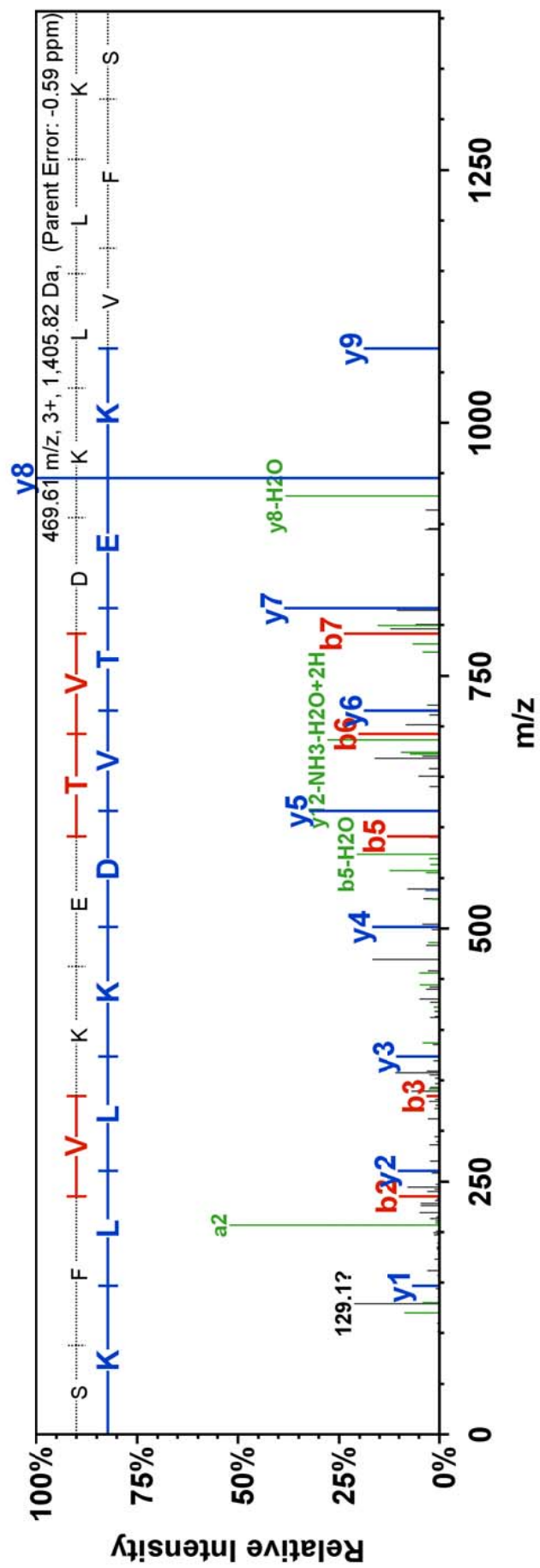
1QSVNDPGNMSFVK¹³



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	129.1		112.0		Q	1,422.7	711.8	1,405.6	1,404.7	13
2	216.1		199.1	198.1	S	1,294.6	647.8	1,277.6	1,276.6	12
3	315.2		298.1	297.2	V	1,207.6	604.3	1,190.6	1,189.6	11
4	429.2		412.2	411.2	N	1,108.5	554.8	1,091.5	1,090.5	10
5	544.2		527.2	526.2	D	994.5	497.7	977.4	976.5	9
6	641.3	321.1	624.3	623.3	P	879.4	440.2	862.4	861.4	8
7	698.3	349.7	681.3	680.3	G	782.4	391.7	765.4	764.4	7
8	812.4	406.7	795.3	794.3	N	725.4	363.2	708.3	707.4	6
9	943.4	472.2	926.4	925.4	M	611.3		594.3	593.3	5
10	1,030.4	515.7	1,013.4	1,012.4	S	480.3		463.3	462.3	4
11	1,177.5	589.3	1,160.5	1,159.5	F	393.2		376.2		3
12	1,276.6	638.8	1,259.5	1,258.6	V	246.2		229.2		2
13	1,422.7	711.8	1,405.6	1,404.7	K	147.1		130.1		1

beta3 peptides

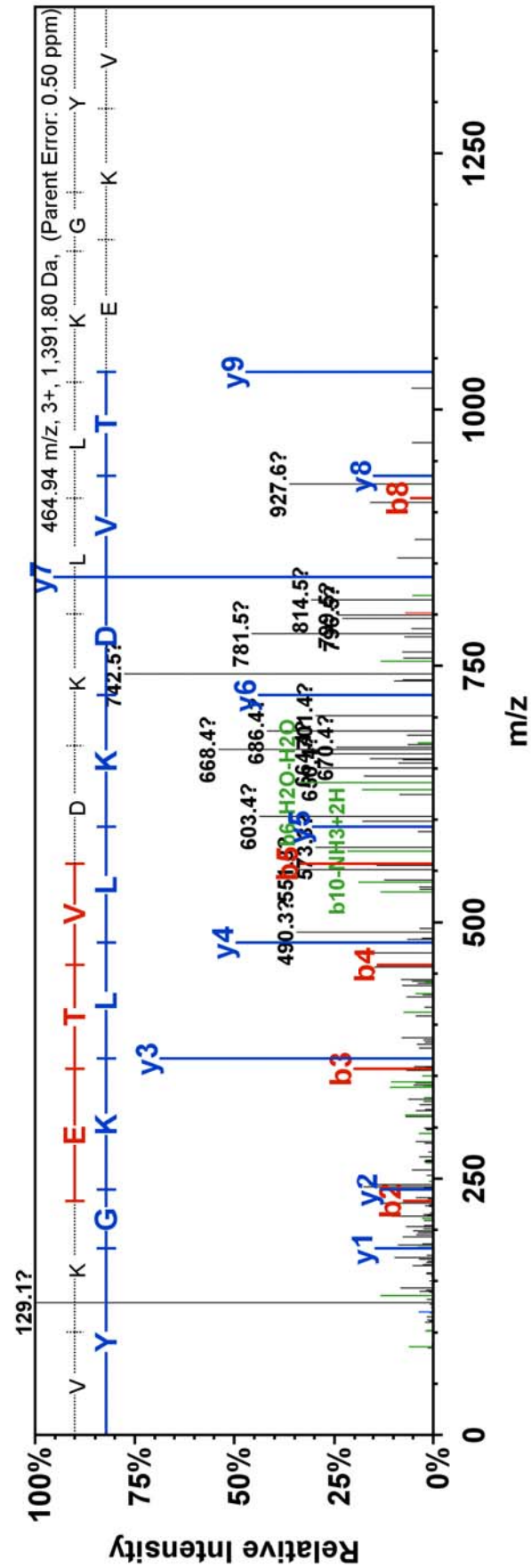
10SFVKETVDKLLK²¹



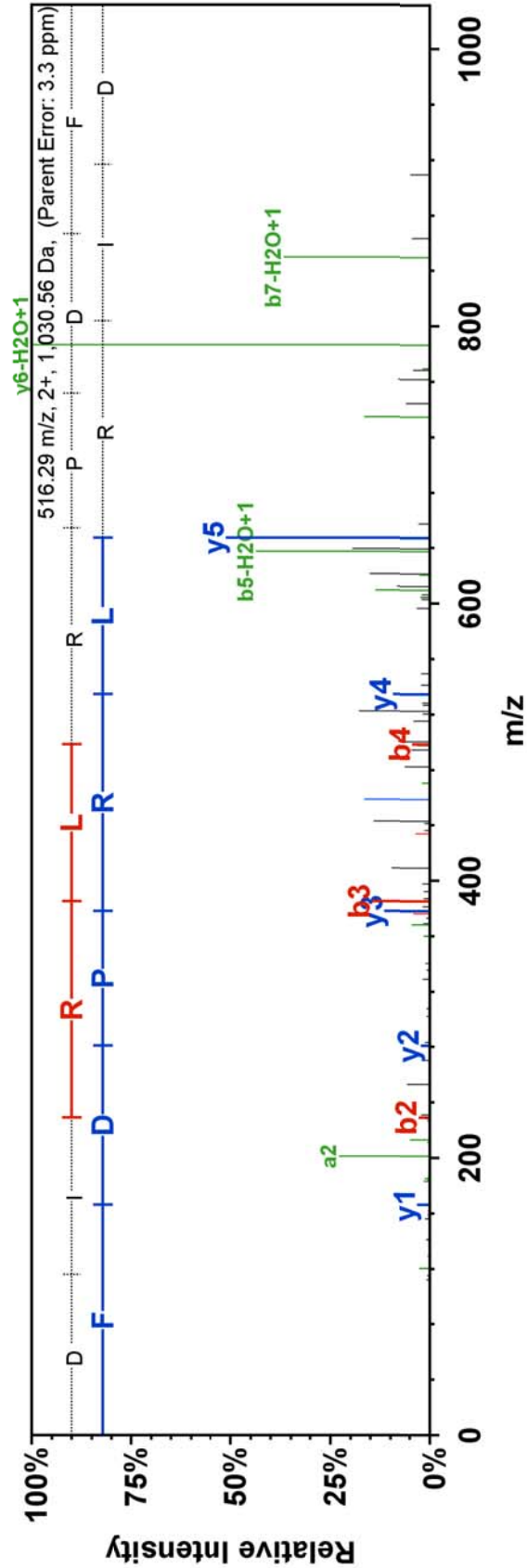
B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0			70.0	S	1,278.7	639.9	1,261.7	1,260.7	11
2	235.1			217.1	F	1,191.7	596.4	1,174.7	1,173.7	10
3	334.2			316.2	V	1,044.6	522.8	1,027.6	1,026.6	9
4	462.3	231.6	445.2	444.3	K	945.6	473.3	928.5	927.6	8
5	591.3	296.2	574.3	573.3	E	817.5	409.2	800.4	799.5	7
6	692.4	346.7	675.3	674.4	T	688.4	344.7	671.4	670.4	6
7	791.4	396.2	774.4	773.4	V	587.4		570.3	569.4	5
8	906.5	453.7	889.4	888.4	D	488.3		471.3	470.3	4
9	1,034.6	517.8	1,017.5	1,016.5	K	373.3		356.3		3
10	1,147.6	574.3	1,130.6	1,129.6	L	245.2				2
11	1,278.7	639.9	1,261.7	1,260.7	L	132.1				1

beta3 peptides

12VKETVDKLLKGY23



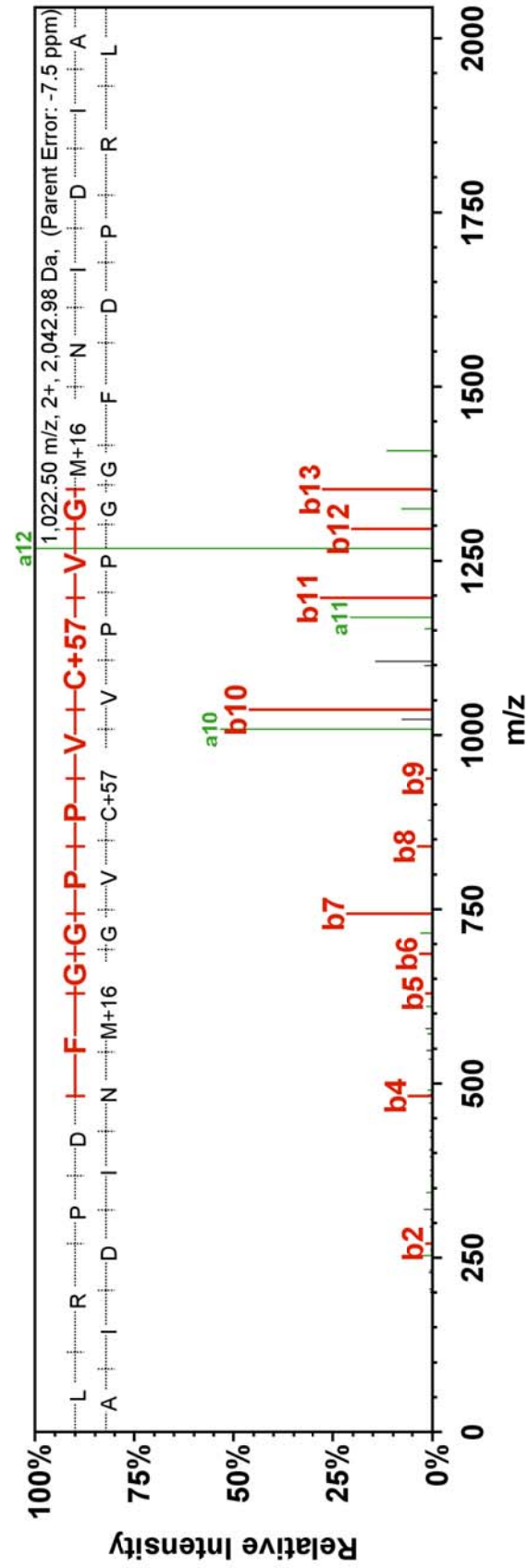
24DIRLRPDF31



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	116.0			98.0	D	1,031.6	516.3	1,014.5	1,013.6	8
2	229.1			211.1	I	916.5	458.8	899.5	898.5	7
3	385.2	193.1	368.2	367.2	R	803.5	402.2	786.4	785.4	6
4	498.3	249.7	481.3	480.3	L	647.4		630.3	629.3	5
5	654.4	327.7	637.4	636.4	R	534.3		517.2	516.3	4
6	751.5	376.2	734.4	733.4	P	378.2			360.2	3
7	866.5	433.7	849.5	848.5	D	281.1			263.1	2
8	1,031.6	516.3	1,014.5	1,013.6	F	166.1				1

beta3 peptides

²⁷LRPDFGGPPVcVGmNIDIA⁴⁵



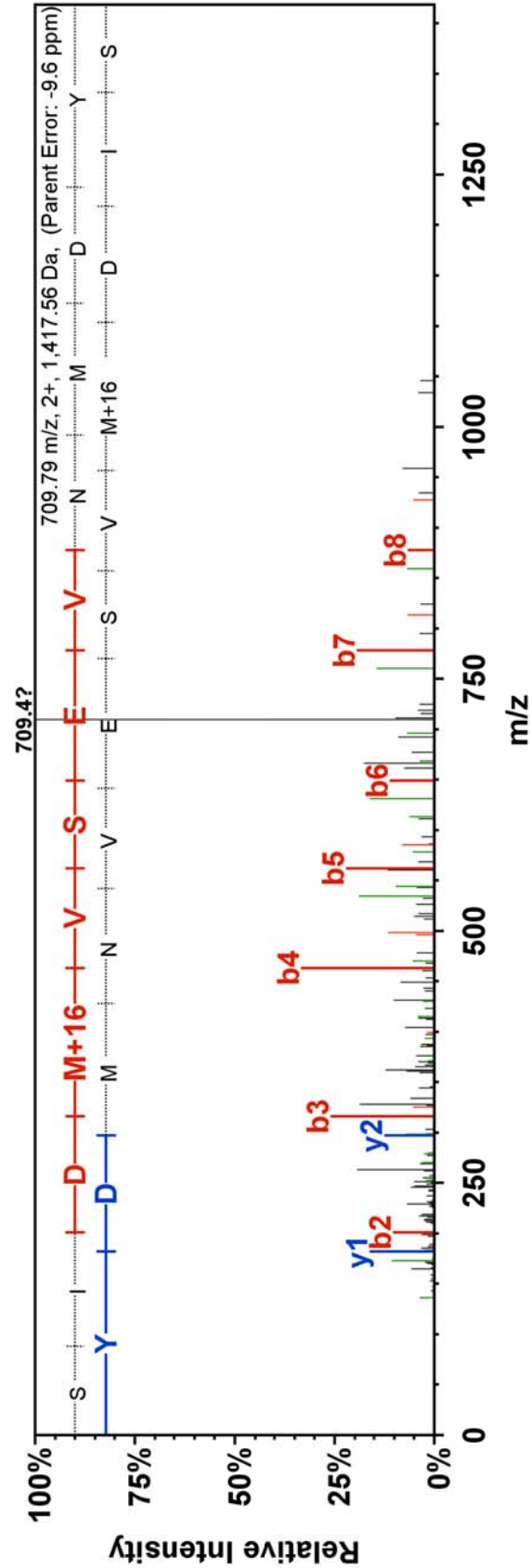
beta3 peptides

²⁷LRPDFGGPPVcVGmNIDIA⁴⁵

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				L	2,044.0	1,022.5	2,027.0	2,026.0	19
2	270.2	135.6	253.2		R	1,930.9	966.0	1,913.9	1,912.9	18
3	367.2	184.1	350.2		P	1,774.8		1,757.8	1,756.8	17
4	482.3	241.6	465.2	464.3	D	1,677.8		1,660.7	1,659.8	16
5	629.3	315.2	612.3	611.3	F	1,562.7		1,545.7	1,544.7	15
6	686.4	343.7	669.3	668.4	G	1,415.7		1,398.6	1,397.7	14
7	743.4	372.2	726.4	725.4	G	1,358.6		1,341.6	1,340.6	13
8	840.4	420.7	823.4	822.4	P	1,301.6		1,284.6	1,283.6	12
9	937.5	469.2	920.5	919.5	P	1,204.6		1,187.5	1,186.6	11
10	1,036.6	518.8	1,019.5	1,018.5	Y	1,107.5		1,090.5	1,089.5	10
11	1,196.6	598.8	1,179.6	1,178.6	C+57	1,008.4		991.4	990.4	9
12	1,295.7	648.3	1,278.6	1,277.6	Y	848.4		831.4	830.4	8
13	1,352.7	676.8	1,335.7	1,334.7	G	749.3		732.3	731.3	7
14	1,499.7	750.4	1,482.7	1,481.7	M+16	692.3		675.3	674.3	6
15	1,613.8	807.4	1,596.7	1,595.7	N	545.3		528.3	527.3	5
16	1,726.8	863.9	1,709.8	1,708.8	I	431.3			413.2	4
17	1,841.9	921.4	1,824.8	1,823.9	D	318.2			300.2	3
18	1,955.0	978.0	1,937.9	1,936.9	I	203.1				2
19	2,044.0	1,022.5	2,027.0	2,026.0	A	90.1				1

beta3 peptides

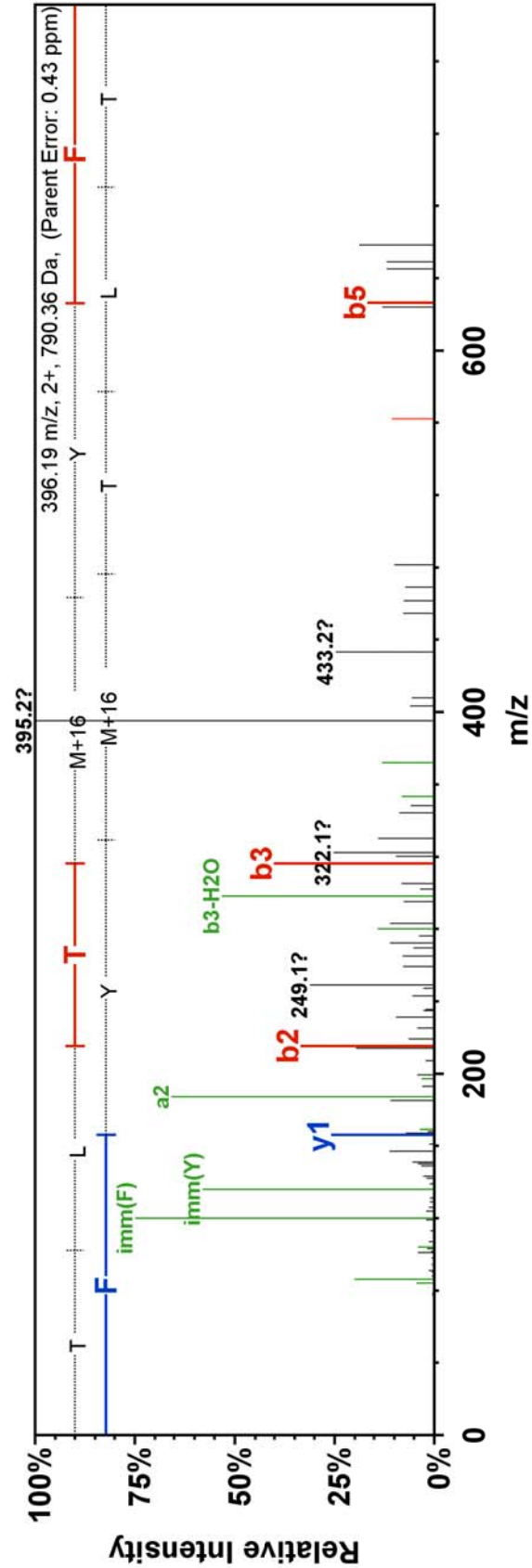
46SIDmVSEVNMDY57



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0			70.0	S	1,418.6		1,401.6	1,400.6	12
2	201.1			183.1	I	1,331.5		1,314.5	1,313.5	11
3	316.2			298.1	D	1,218.5		1,201.4	1,200.5	10
4	463.2			445.2	M+16	1,103.4		1,086.4	1,085.4	9
5	562.3			544.2	V	956.4		939.4	938.4	8
6	649.3	325.1		631.3	S	857.3		840.3	839.3	7
7	778.3	389.7		760.3	E	770.3		753.3	752.3	6
8	877.4	439.2		859.4	V	641.3		624.2	623.2	5
9	991.4	496.2	974.4	973.4	N	542.2		525.2	524.2	4
10	1,122.5	561.7	1,105.5	1,104.5	M	428.1			410.1	3
11	1,237.5	619.3	1,220.5	1,219.5	D	297.1			279.1	2
12	1,418.6	709.8	1,401.6	1,400.6	Y	182.1				1

beta3 peptides

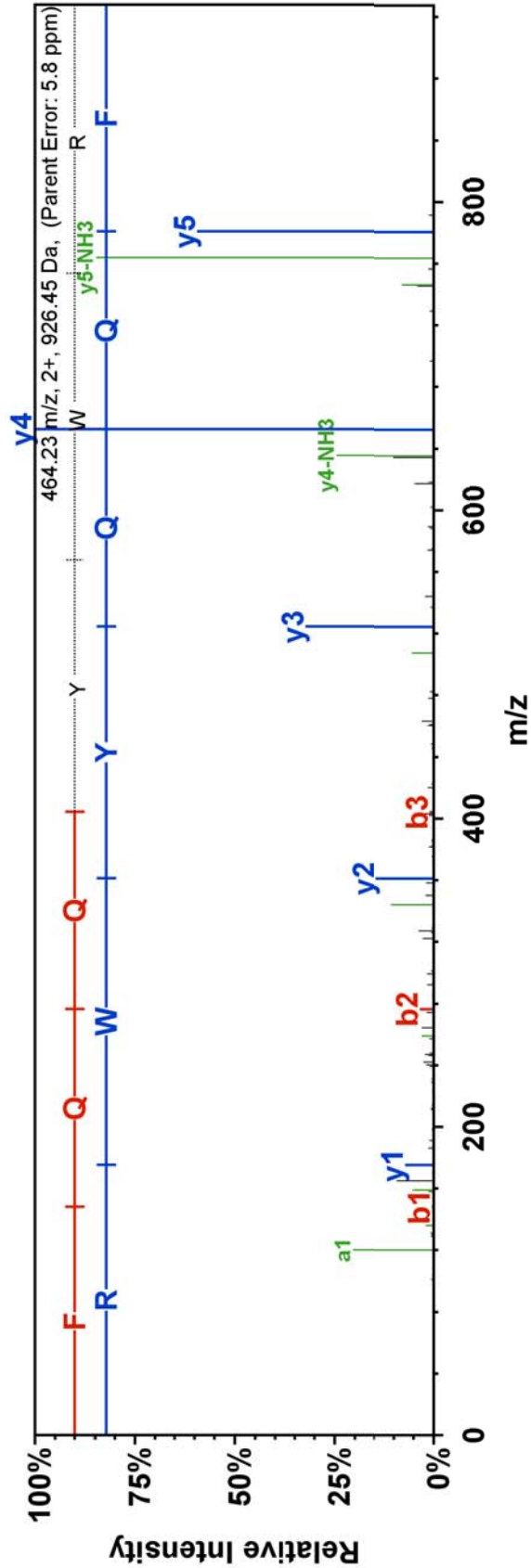
58T¹LTmYF63



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1			84.0	T	791.4			773.4	6
2	215.1			197.1	L	690.3			672.3	5
3	316.2			298.2	T	577.2			559.2	4
4	463.2			445.2	M+16	476.2				3
5	626.3			608.3	Y	329.1				2
6	791.4	396.2		773.4	F	166.1				1

beta3 peptides

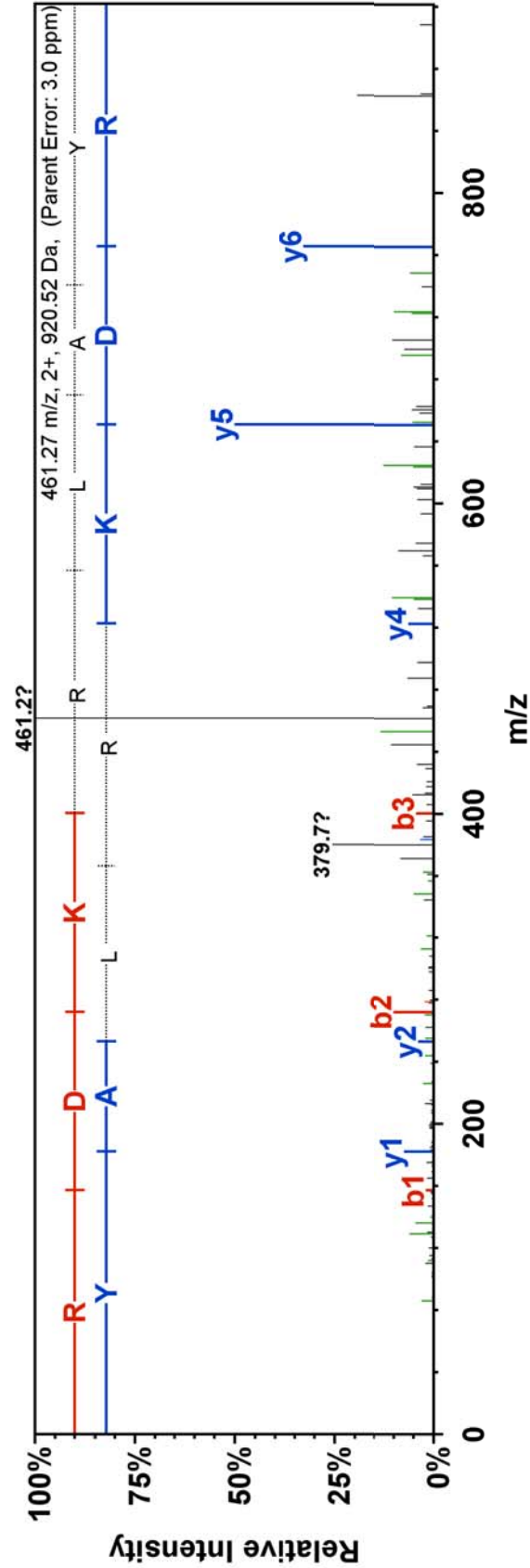
63FQQYWR⁶⁸



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	148.1				F	927.4	464.2	910.4		6
2	276.1		259.1		Q	780.4		763.4		5
3	404.2		387.2		Q	652.3		635.3		4
4	567.3		550.2		Y	524.3		507.2		3
5	753.3		736.3		W	361.2		344.2		2
6	927.4	464.2	910.4		R	175.1		158.1		1

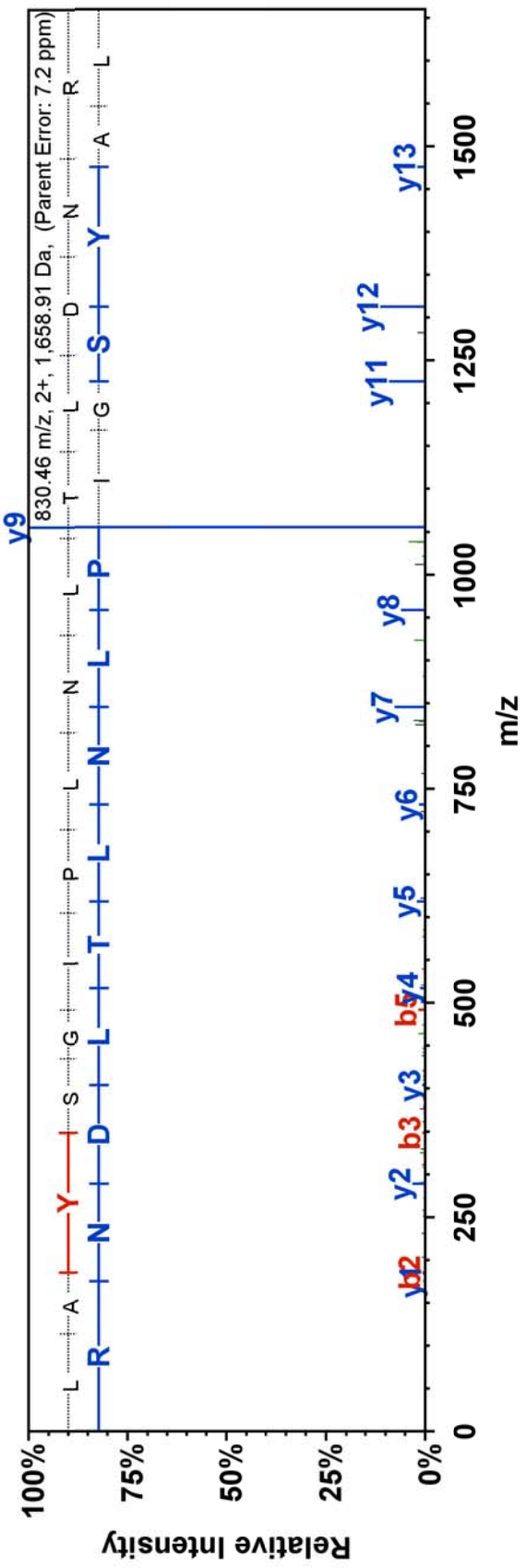
beta3 peptides

68RDKRLAY⁷⁴



beta3 peptides

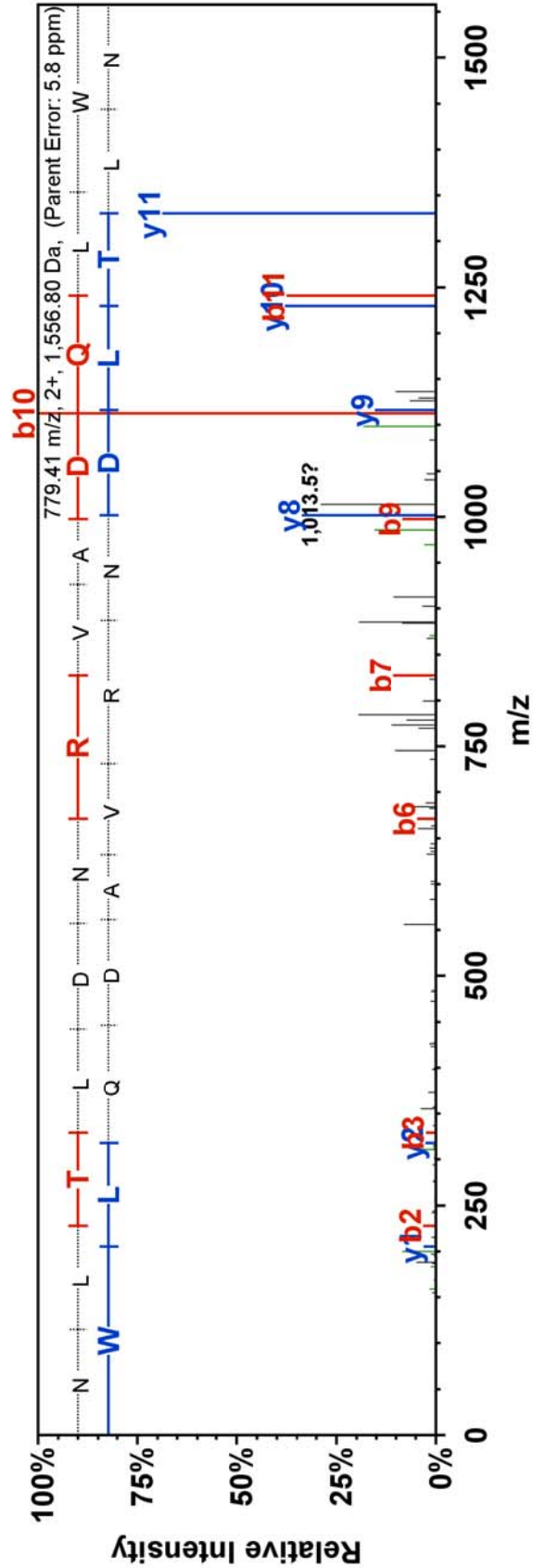
72LAYSGIPLNLTLDNR⁸⁶



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				L	1,659.9	830.5	1,642.9	1,641.9	15
2	185.1				A	1,546.8	773.9	1,529.8	1,528.8	14
3	348.2				Y	1,475.8	738.4	1,458.8	1,457.8	13
4	435.2				S	1,312.7	656.9	1,295.7	1,294.7	12
5	492.2			417.2	G	1,225.7	613.3	1,208.7	1,207.7	11
6	605.3	303.2		587.3	I	1,168.7	584.8	1,151.6	1,150.7	10
7	702.4	351.7		684.4	P	1,055.6	528.3	1,038.6	1,037.6	9
8	815.5	408.2		797.5	L	958.5	479.8	941.5	940.5	8
9	929.5	465.3	912.5	911.5	N	845.4	423.2	828.4	827.4	7
10	1,042.6	521.8	1,025.6	1,024.6	L	731.4	366.2	714.4	713.4	6
11	1,143.6	572.3	1,126.6	1,125.6	T	618.3		601.3	600.3	5
12	1,256.7	628.9	1,239.7	1,238.7	L	517.3		500.2	499.3	4
13	1,371.8	686.4	1,354.7	1,353.7	D	404.2		387.2	386.2	3
14	1,485.8	743.4	1,468.8	1,467.8	N	289.2		272.1		2
15	1,659.9	830.5	1,642.9	1,641.9	R	175.1		158.1		1

beta3 peptides

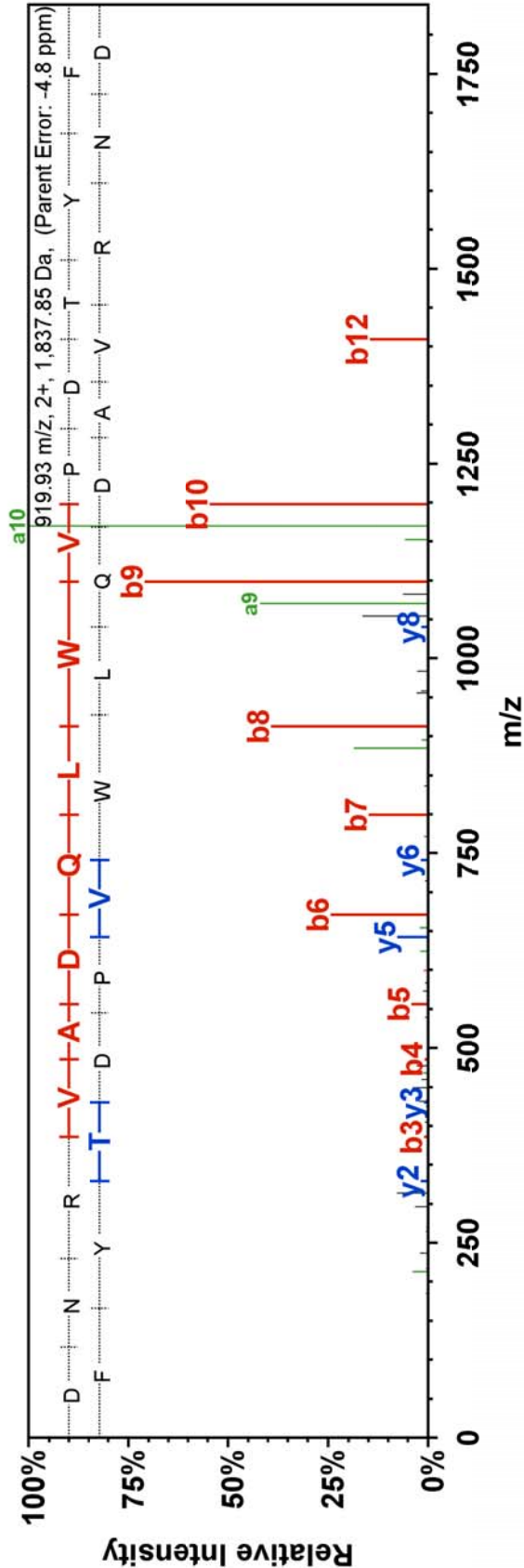
80NLTLDNRVADQLW⁹²



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	115.1		98.0		N	1,557.8	779.4	1,540.8	1,539.8	13
2	228.1		211.1		L	1,443.8	722.4	1,426.7	1,425.7	12
3	329.2		312.2	311.2	T	1,330.7	665.8	1,313.6	1,312.7	11
4	442.3		425.2	424.3	L	1,229.6	615.3	1,212.6	1,211.6	10
5	557.3		540.3	539.3	D	1,116.5	558.8	1,099.5	1,098.5	9
6	671.3	336.2	654.3	653.3	N	1,001.5	501.3	984.5	983.5	8
7	827.4	414.2	810.4	809.4	R	887.5	444.2	870.4	869.5	7
8	926.5	463.8	909.5	908.5	V	731.4		714.3	713.4	6
9	997.5	499.3	980.5	979.5	A	632.3		615.3	614.3	5
10	1,112.6	556.8	1,095.5	1,094.6	D	561.3		544.2	543.3	4
11	1,240.6	620.8	1,223.6	1,222.6	Q	446.2		429.2		3
12	1,353.7	677.4	1,336.7	1,335.7	L	318.2				2
13	1,557.8	779.4	1,540.8	1,539.8	W	205.1				1

beta3 peptides

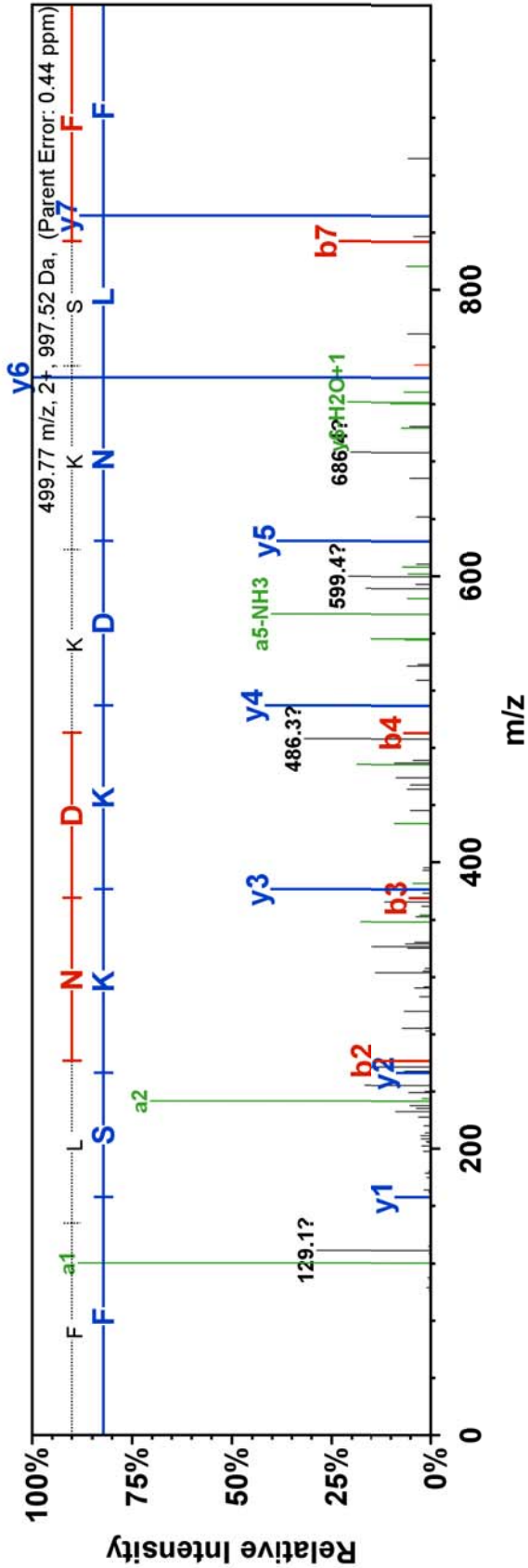
84DNRVADQLWVPDTYF98



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	116.0			98.0	D	1,838.9	919.9	1,821.8	1,820.9	15
2	230.1		213.1	212.1	N	1,723.8	862.4	1,706.8	1,705.8	14
3	386.2	193.6	369.2	368.2	R	1,609.8	805.4	1,592.8	1,591.8	13
4	485.2	243.1	468.2	467.2	V	1,453.7		1,436.7	1,435.7	12
5	556.3	278.6	539.3	538.3	A	1,354.6		1,337.6	1,336.6	11
6	671.3	336.2	654.3	653.3	D	1,283.6		1,266.6	1,265.6	10
7	799.4	400.2	782.3	781.4	Q	1,168.6		1,151.5	1,150.6	9
8	912.5	456.7	895.4	894.4	L	1,040.5			1,022.5	8
9	1,098.5	549.8	1,081.5	1,080.5	W	927.4			909.4	7
10	1,197.6	599.3	1,180.6	1,179.6	V	741.3			723.3	6
11	1,294.7	647.8	1,277.6	1,276.6	P	642.3			624.3	5
12	1,409.7	705.3	1,392.7	1,391.7	D	545.2			527.2	4
13	1,510.7	755.9	1,493.7	1,492.7	T	430.2			412.2	3
14	1,673.8	837.4	1,656.8	1,655.8	Y	329.1				2
15	1,838.9	919.9	1,821.8	1,820.9	F	166.1				1

beta3 peptides

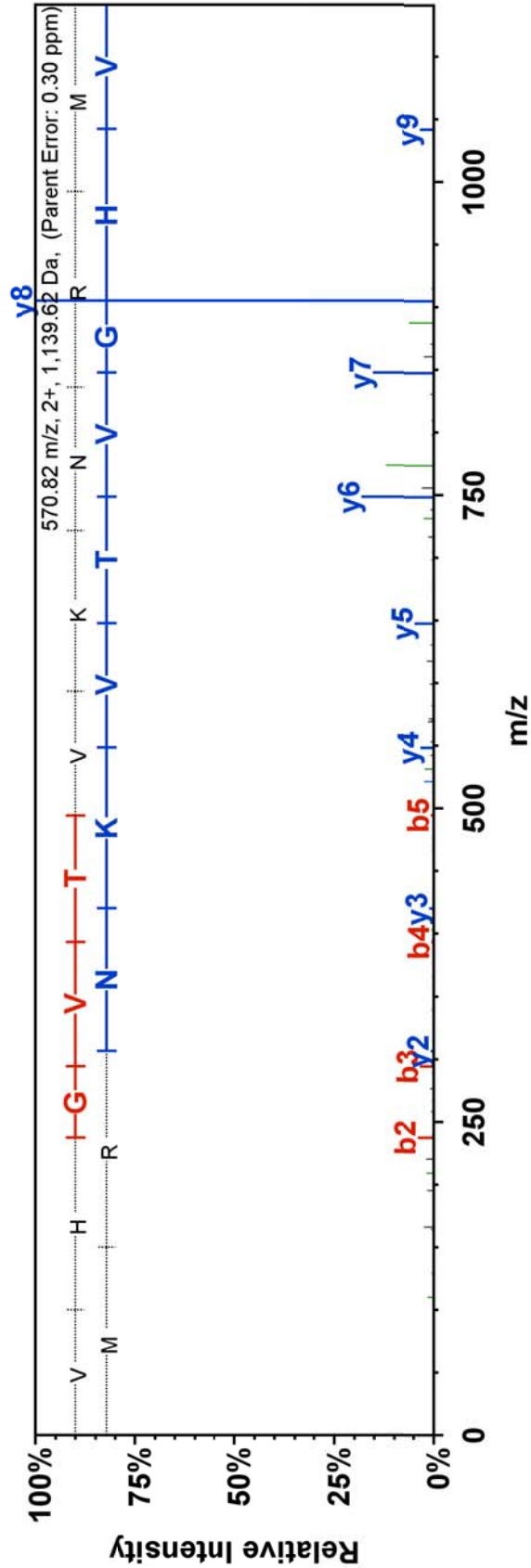
98FLNDKKSF105



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	148.1				F	998.5	499.8	981.5	980.5	8
2	261.2				L	851.5	426.2	834.4	833.5	7
3	375.2		358.2		N	738.4	369.7	721.4	720.4	6
4	490.2		473.2	472.2	D	624.3	312.7	607.3	606.3	5
5	618.3	309.7	601.3	600.3	K	509.3	255.2	492.3	491.3	4
6	746.4	373.7	729.4	728.4	K	381.2		364.2	363.2	3
7	833.5	417.2	816.4	815.4	S	253.1			235.1	2
8	998.5	499.8	981.5	980.5	F	166.1				1

beta3 peptides

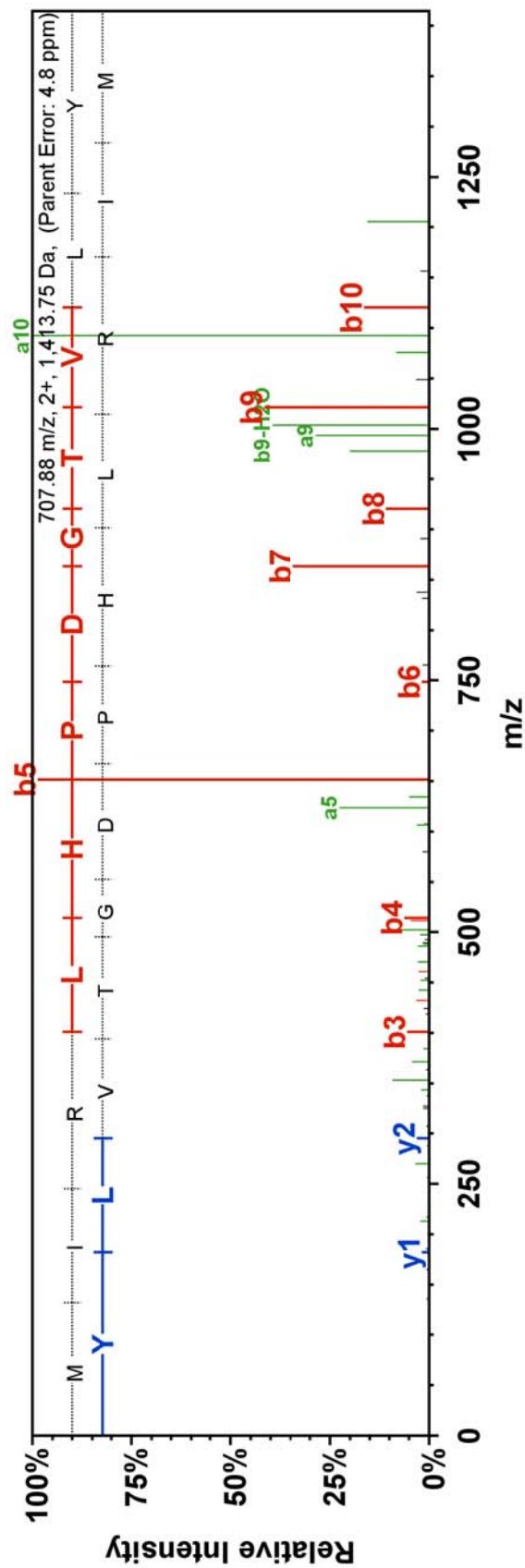
106VHGVTVKNRM115



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	100.1				V	1,140.6	570.8	1,123.6	1,122.6	10
2	237.1	119.1			H	1,041.6	521.3	1,024.5	1,023.6	9
3	294.2	147.6			G	904.5	452.8	887.5	886.5	8
4	393.2	197.1			V	847.5	424.2	830.5	829.5	7
5	494.3	247.6		476.3	T	748.4	374.7	731.4	730.4	6
6	593.3	297.2		575.3	V	647.4	324.2	630.3		5
7	721.4	361.2	704.4	703.4	K	548.3	274.7	531.3		4
8	835.5	418.2	818.5	817.5	N	420.2		403.2		3
9	991.6	496.3	974.6	973.6	R	306.2		289.1		2
10	1,140.6	570.8	1,123.6	1,122.6	M	150.1				1

beta3 peptides

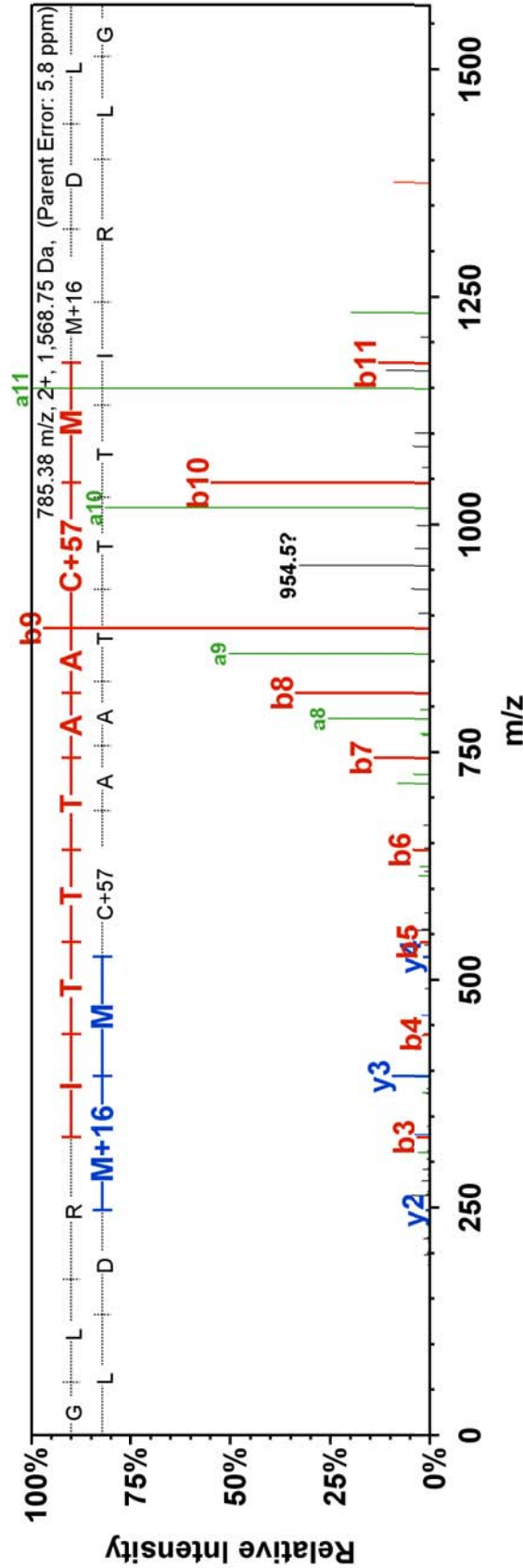
115MIRLHPDGTVLY¹²⁶



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	132.0				M	1,414.8	707.9	1,397.7	1,396.7	12
2	245.1				I	1,283.7	642.4	1,266.7	1,265.7	11
3	401.2	201.1	384.2		R	1,170.6	585.8	1,153.6	1,152.6	10
4	514.3	257.7	497.3		L	1,014.5	507.8		996.5	9
5	651.4	326.2	634.3		H	901.4	451.2		883.4	8
6	748.4	374.7	731.4		P	764.4			746.4	7
7	863.5	432.2	846.4	845.4	D	667.3			649.3	6
8	920.5	460.7	903.5	902.5	G	552.3			534.3	5
9	1,021.5	511.3	1,004.5	1,003.5	T	495.3			477.3	4
10	1,120.6	560.8	1,103.6	1,102.6	V	394.2				3
11	1,233.7	617.3	1,216.7	1,215.7	L	295.2				2
12	1,414.8	707.9	1,397.7	1,396.7	Y	182.1				1

beta3 peptides

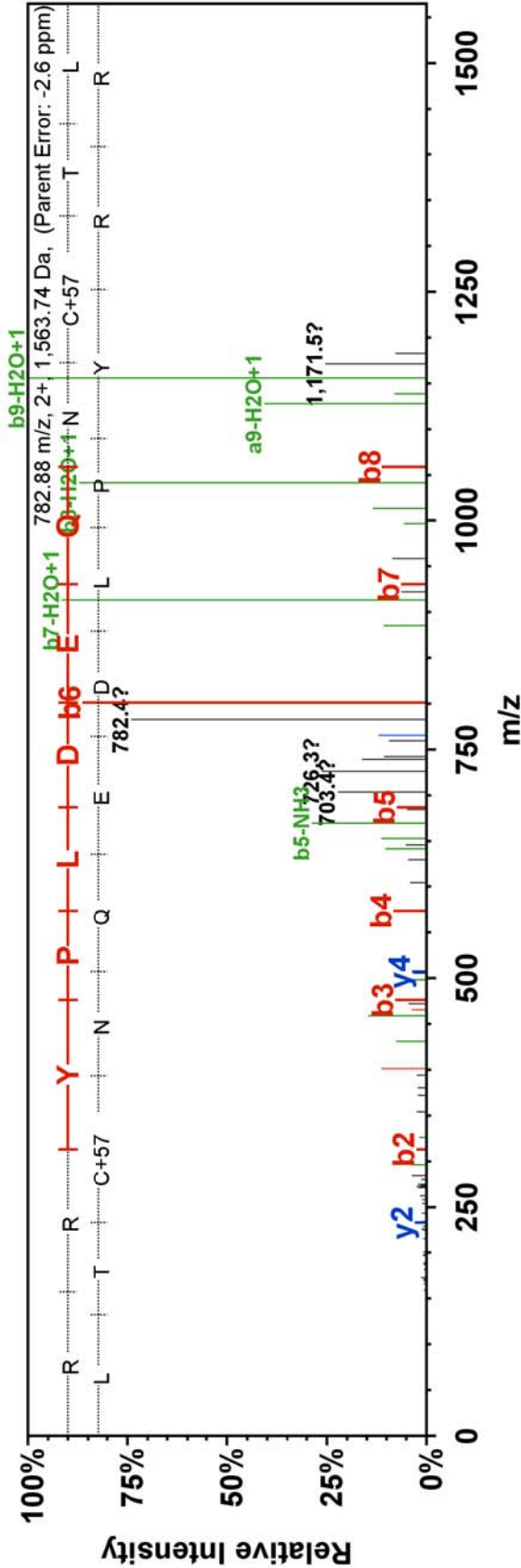
127GLRITTTAAcMmDL140



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	58.0				G	1,569.7	785.4	1,552.7	1,551.7	14
2	171.1				L	1,512.7	756.9	1,495.7	1,494.7	13
3	327.2	164.1	310.2		R	1,399.6	700.3	1,382.6	1,381.6	12
4	440.3	220.7	423.3		I	1,243.5			1,225.5	11
5	541.3	271.2	524.3	523.3	T	1,130.5			1,112.4	10
6	642.4	321.7	625.4	624.4	T	1,029.4			1,011.4	9
7	743.4	372.2	726.4	725.4	T	928.4			910.3	8
8	814.5	407.7	797.5	796.5	A	827.3			809.3	7
9	885.5	443.3	868.5	867.5	A	756.3			738.3	6
10	1,045.5	523.3	1,028.5	1,027.5	C+57	685.2			667.2	5
11	1,176.6	588.8	1,159.6	1,158.6	M	525.2			507.2	4
12	1,323.6	662.3	1,306.6	1,305.6	M+16	394.2			376.2	3
13	1,438.6	719.8	1,421.6	1,420.6	D	247.1			229.1	2
14	1,569.7	785.4	1,552.7	1,551.7	L	132.1				1

beta3 peptides

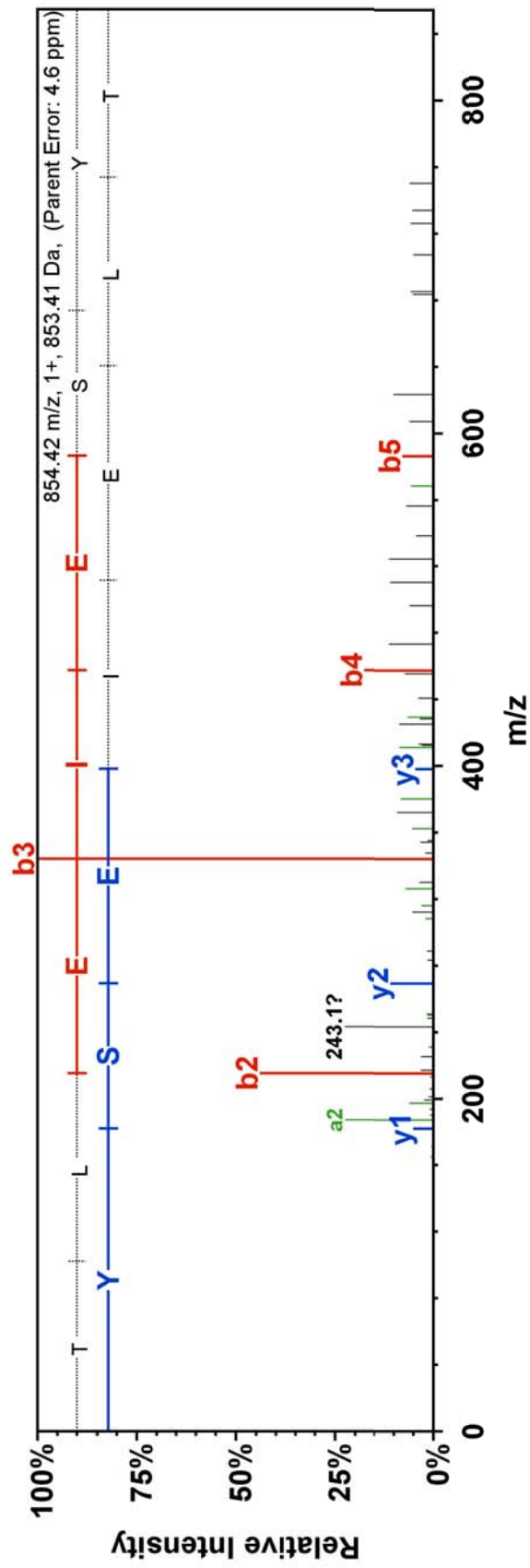
141RRYPLDEQNCTL152



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	157.1	79.1	140.1		R	1,564.8	782.9	1,547.7	1,546.7	12
2	313.2	157.1	296.2		R	1,408.7	704.8	1,391.6	1,390.6	11
3	476.3	238.6	459.2		Y	1,252.6		1,235.5	1,234.5	10
4	573.3	287.2	556.3		P	1,089.5		1,072.5	1,071.5	9
5	686.4	343.7	669.4		L	992.4		975.4	974.4	8
6	801.4	401.2	784.4	783.4	D	879.4		862.3	861.3	7
7	930.5	465.7	913.5	912.5	E	764.3		747.3	746.3	6
8	1,058.5	529.8	1,041.5	1,040.5	Q	635.3		618.3	617.3	5
9	1,172.6	586.8	1,155.6	1,154.6	N	507.2		490.2	489.2	4
10	1,332.6	666.8	1,315.6	1,314.6	C+57	393.2			375.2	3
11	1,433.7	717.3	1,416.6	1,415.6	T	233.1			215.1	2
12	1,564.8	782.9	1,547.7	1,546.7	L	132.1				1

beta3 peptides

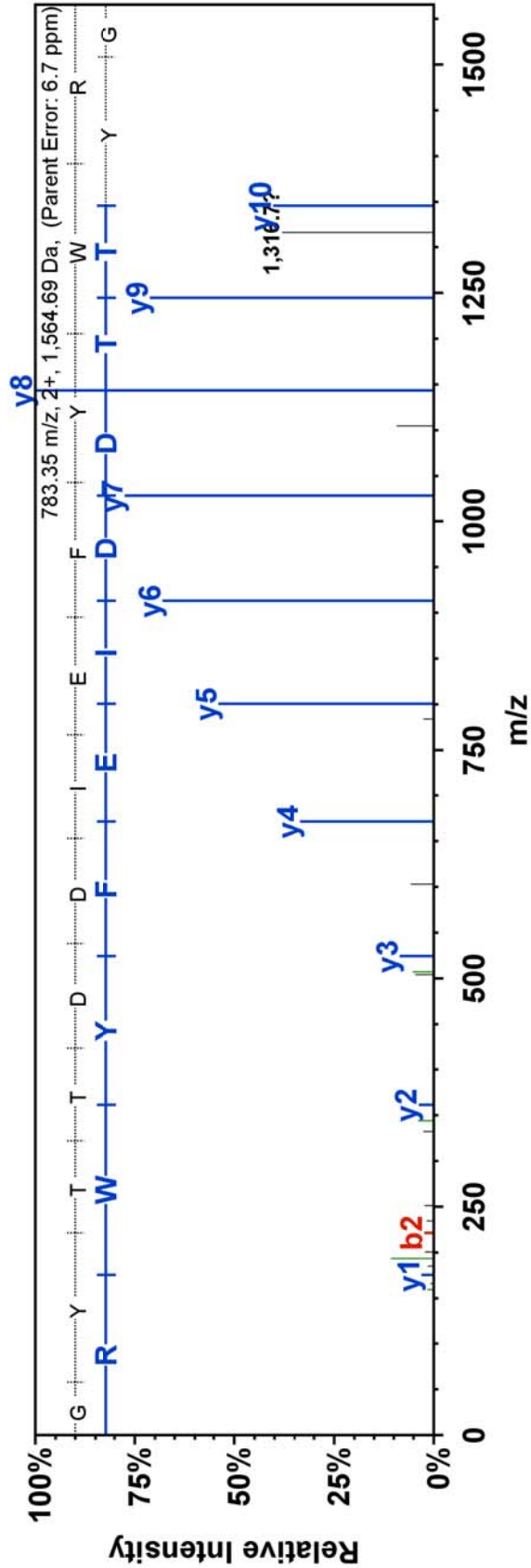
151TLEIESY¹⁵⁷



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1			84.0	T	854.4			836.4	7
2	215.1			197.1	L	753.4			735.4	6
3	344.2			326.2	E	640.3			622.3	5
4	457.3			439.3	I	511.2			493.2	4
5	586.3			568.3	E	398.2			380.1	3
6	673.3			655.3	S	269.1			251.1	2
7	854.4			836.4	Y	182.1				1

beta3 peptides

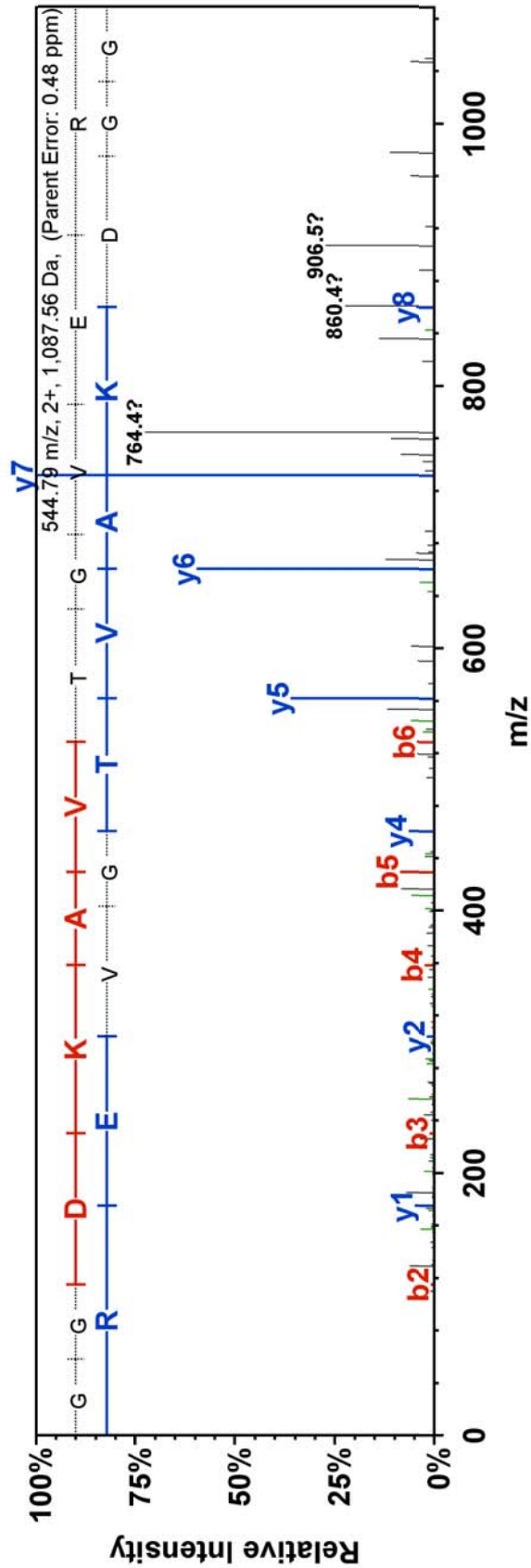
158GYTTDDIEFYWR¹⁶⁹



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	58.0				G	1,565.7	783.3	1,548.7	1,547.7	12
2	221.1				Y	1,508.7	754.8	1,491.6	1,490.7	11
3	322.1			304.1	T	1,345.6	673.3	1,328.6	1,327.6	10
4	423.2			405.2	T	1,244.6	622.8	1,227.5	1,226.5	9
5	538.2			520.2	D	1,143.5	572.3	1,126.5	1,125.5	8
6	653.2	327.1		635.2	D	1,028.5	514.7	1,011.5	1,010.5	7
7	766.3	383.7		748.3	I	913.5	457.2	896.4	895.4	6
8	895.4	448.2		877.4	E	800.4		783.3	782.4	5
9	1,042.4	521.7		1,024.4	F	671.3		654.3		4
10	1,205.5	603.3		1,187.5	Y	524.3		507.2		3
11	1,391.6	696.3		1,373.6	W	361.2		344.2		2
12	1,565.7	783.3	1,548.7	1,547.7	R	175.1		158.1		1

beta3 peptides

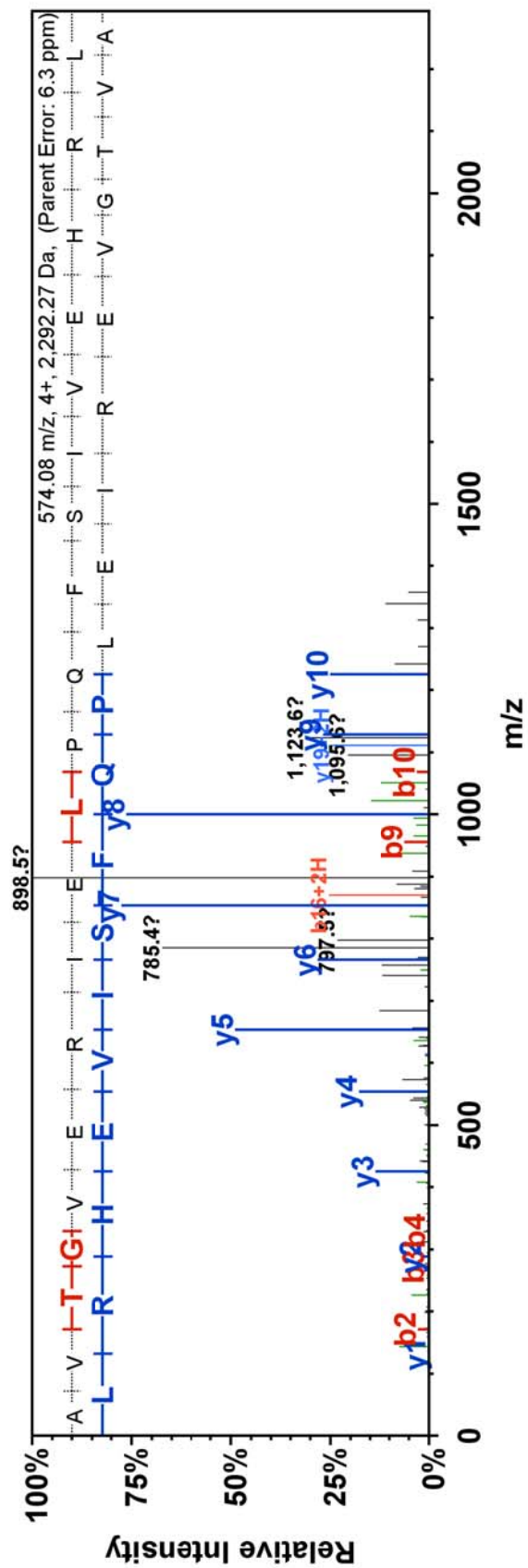
170GGDKAVTGVER180



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	58.0				G	1,088.6	544.8	1,071.5	1,070.6	11
2	115.1				G	1,031.5	516.3	1,014.5	1,013.5	10
3	230.1			212.1	D	974.5	487.8	957.5	956.5	9
4	358.2	179.6	341.1	340.2	K	859.5	430.3	842.5	841.5	8
5	429.2	215.1	412.2	411.2	A	731.4	366.2	714.4	713.4	7
6	528.3	264.6	511.3	510.3	V	660.4	330.7	643.3	642.4	6
7	629.3	315.2	612.3	611.3	T	561.3		544.3	543.3	5
8	686.3	343.7	669.3	668.3	G	460.3		443.2	442.2	4
9	785.4	393.2	768.4	767.4	V	403.2		386.2	385.2	3
10	914.5	457.7	897.4	896.4	E	304.2		287.1	286.2	2
11	1,088.6	544.8	1,071.5	1,070.6	R	175.1		158.1		1

beta3 peptides

174 AVTGVRIELPQFSIVEHRL¹⁹³



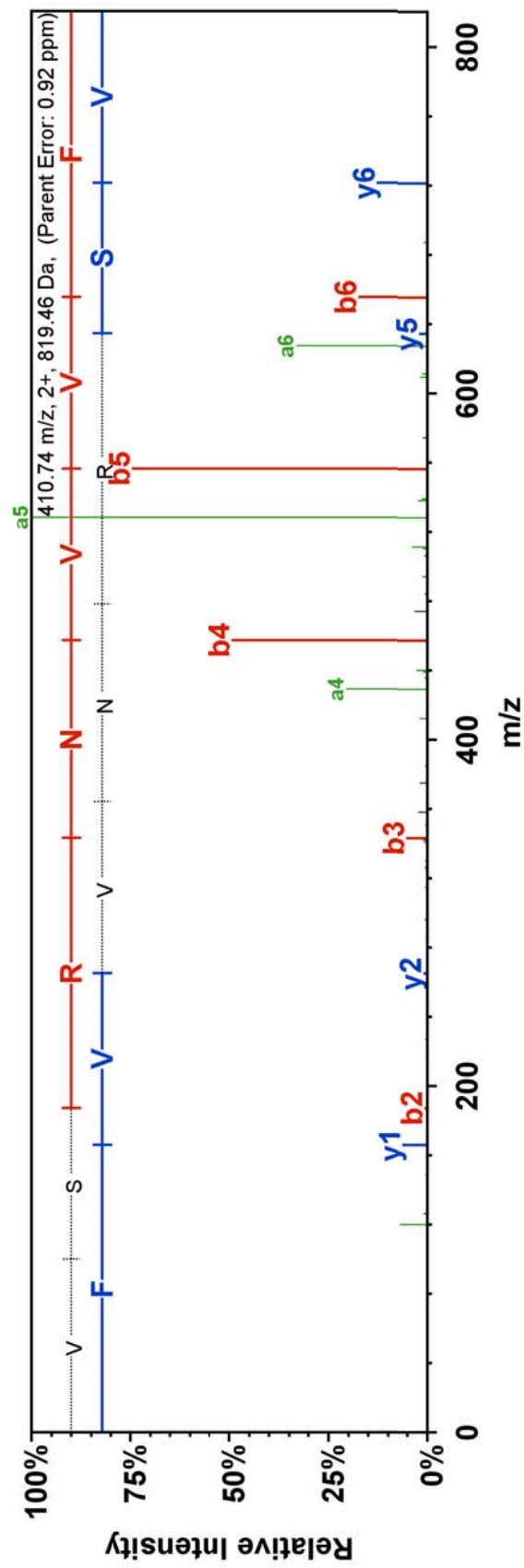
beta3 peptides

174AVTGVERIELPQFSIVEHRL193

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	72.0	36.5			A	2,293.3	1,147.1	2,276.2	2,275.3	20
2	171.1	86.1			V	2,222.2	1,111.6	2,205.2	2,204.2	19
3	272.2	136.6		254.1	T	2,123.2	1,062.1	2,106.1	2,105.2	18
4	329.2	165.1		311.2	G	2,022.1	1,011.6	2,005.1	2,004.1	17
5	428.3	214.6		410.2	V	1,965.1	983.0	1,948.1	1,947.1	16
6	557.3	279.2		539.3	E	1,866.0	933.5	1,849.0	1,848.0	15
7	713.4	357.2	696.4	695.4	R	1,737.0	869.0	1,720.0	1,719.0	14
8	826.5	413.7	809.5	808.5	I	1,580.9	790.9	1,563.9	1,562.9	13
9	955.5	478.3	938.5	937.5	E	1,467.8	734.4	1,450.8	1,449.8	12
10	1,068.6	534.8	1,051.6	1,050.6	L	1,338.8	669.9	1,321.7	1,320.7	11
11	1,165.7	583.3	1,148.6	1,147.6	P	1,225.7	613.3	1,208.6	1,207.7	10
12	1,293.7	647.4	1,276.7	1,275.7	Q	1,128.6	564.8	1,111.6	1,110.6	9
13	1,440.8	720.9	1,423.8	1,422.8	F	1,000.6	500.8	983.5	982.5	8
14	1,527.8	764.4	1,510.8	1,509.8	S	853.5	427.2	836.5	835.5	7
15	1,640.9	821.0	1,623.9	1,622.9	I	766.5	383.7	749.4	748.4	6
16	1,740.0	870.5	1,722.9	1,722.0	V	653.4	327.2	636.3	635.4	5
17	1,869.0	935.0	1,852.0	1,851.0	E	554.3	277.7	537.3	536.3	4
18	2,006.1	1,003.5	1,989.0	1,988.1	H	425.3	213.1	408.2		3
19	2,162.2	1,081.6	2,145.1	2,144.2	R	288.2	144.6	271.2		2
20	2,293.3	1,147.1	2,276.2	2,275.3	L	132.1	66.6			1

beta3 peptides

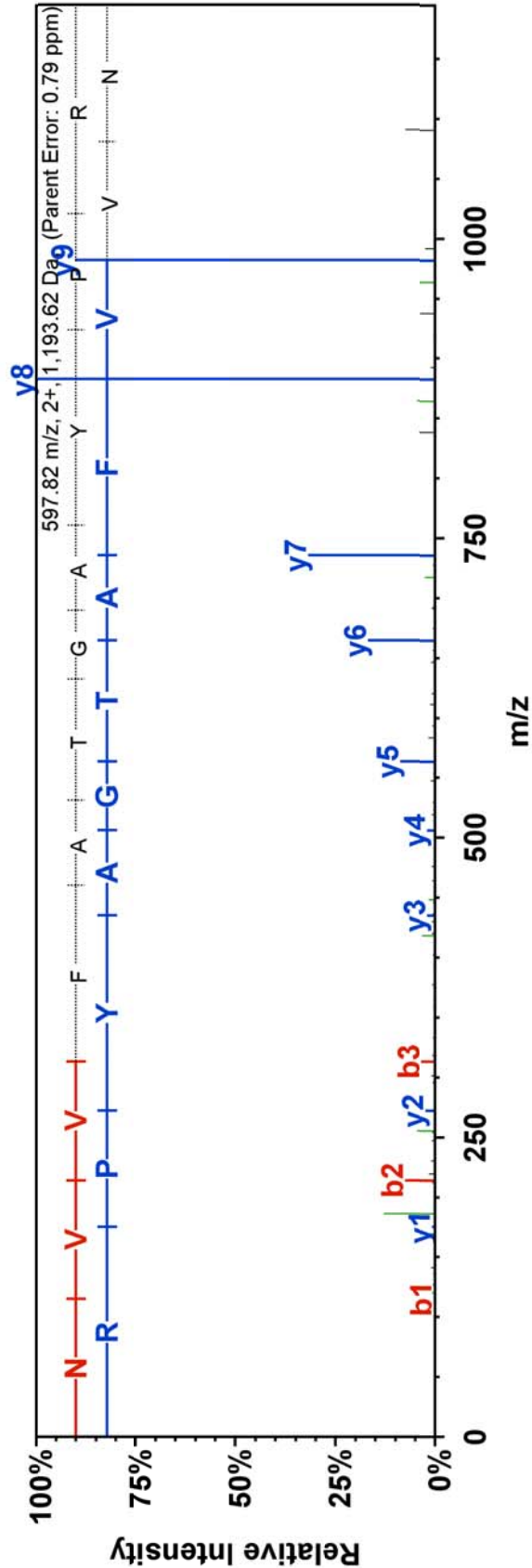
194VSRNVVF200



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	100.1				V	820.5	410.7	803.4	802.5	7
2	187.1			169.1	S	721.4	361.2	704.4	703.4	6
3	343.2	172.1	326.2	325.2	R	634.4		617.3		5
4	457.3	229.1	440.2	439.2	N	478.3		461.2		4
5	556.3	278.7	539.3	538.3	V	364.2				3
6	655.4	328.2	638.4	637.4	V	265.2				2
7	820.5	410.7	803.4	802.5	F	166.1				1

beta3 peptides

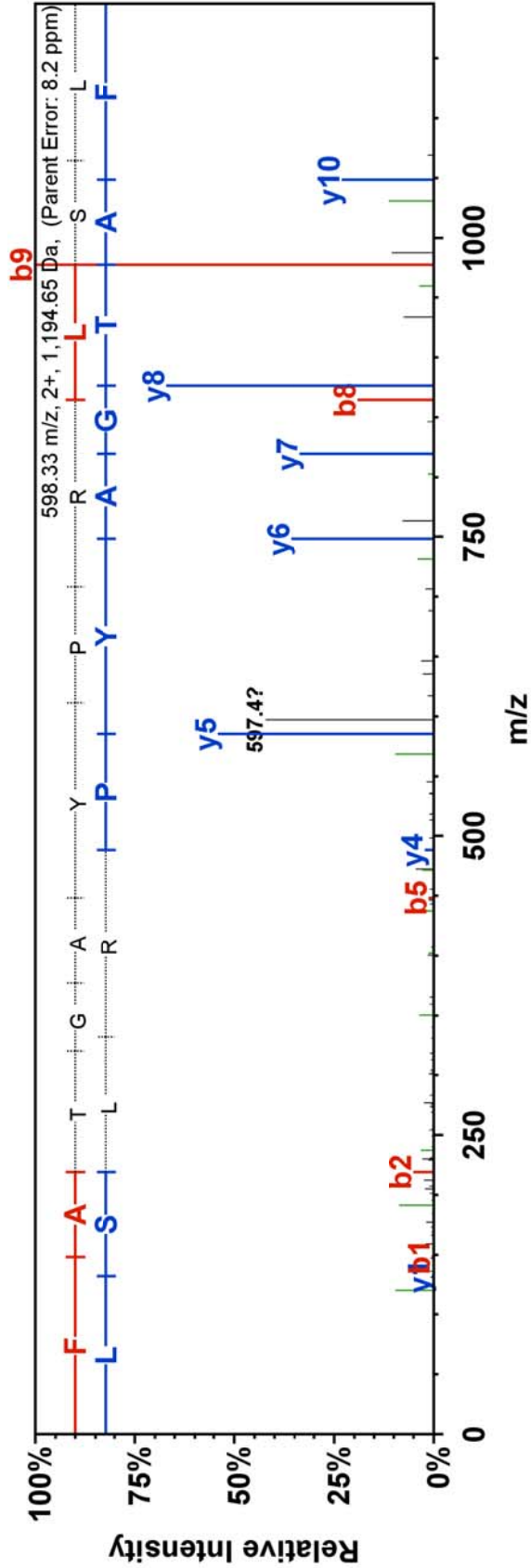
197NVVFATGAYPR²⁰⁷



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y+H2O	Y
1	115.1		98.0		N	1,194.6	597.8	1,177.6	1,176.6	11
2	214.1		197.1		V	1,080.6	540.8	1,063.6	1,062.6	10
3	313.2		296.2		V	981.5	491.3	964.5	963.5	9
4	460.3		443.2		F	882.4	441.7	865.4	864.4	8
5	531.3		514.3		A	735.4	368.2	718.4	717.4	7
6	632.3	316.7	615.3	614.3	T	664.3	332.7	647.3	646.3	6
7	689.4	345.2	672.3	671.4	G	563.3		546.3		5
8	760.4	380.7	743.4	742.4	A	506.3		489.2		4
9	923.5	462.2	906.4	905.5	Y	435.2		418.2		3
10	1,020.5	510.8	1,003.5	1,002.5	P	272.2		255.1		2
11	1,194.6	597.8	1,177.6	1,176.6	R	175.1		158.1		1

beta3 peptides

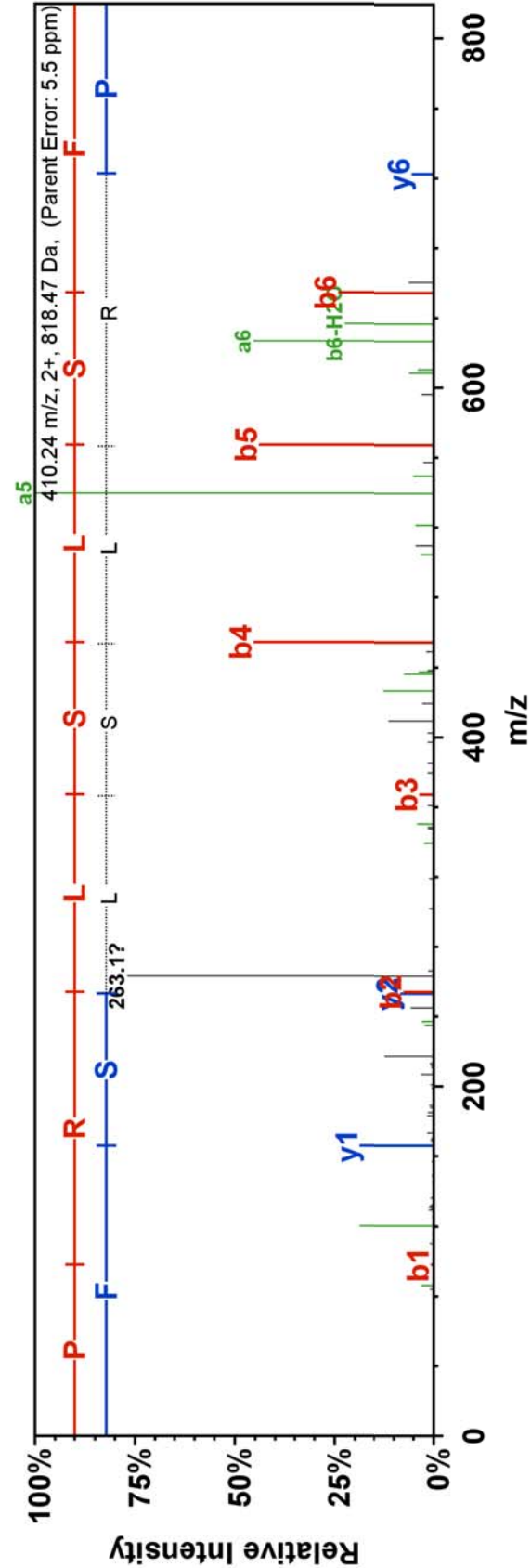
200FATGAYPRLSL²¹⁰



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y+H2O	Y
1	148.1				F	1,195.6	598.3	1,178.6	1,177.6	11
2	219.1				A	1,048.6	524.8	1,031.6	1,030.6	10
3	320.2			302.1	T	977.5	489.3	960.5	959.5	9
4	377.2			359.2	G	876.5	438.8	859.5	858.5	8
5	448.2			430.2	A	819.5	410.2	802.4	801.5	7
6	611.3	306.1		593.3	Y	748.4	374.7	731.4	730.4	6
7	708.3	354.7		690.3	P	585.4		568.3	567.4	5
8	864.4	432.7	847.4	846.4	R	488.3		471.3	470.3	4
9	977.5	489.3	960.5	959.5	L	332.2			314.2	3
10	1,064.6	532.8	1,047.5	1,046.5	S	219.1			201.1	2
11	1,195.6	598.3	1,178.6	1,177.6	L	132.1				1

beta3 peptides

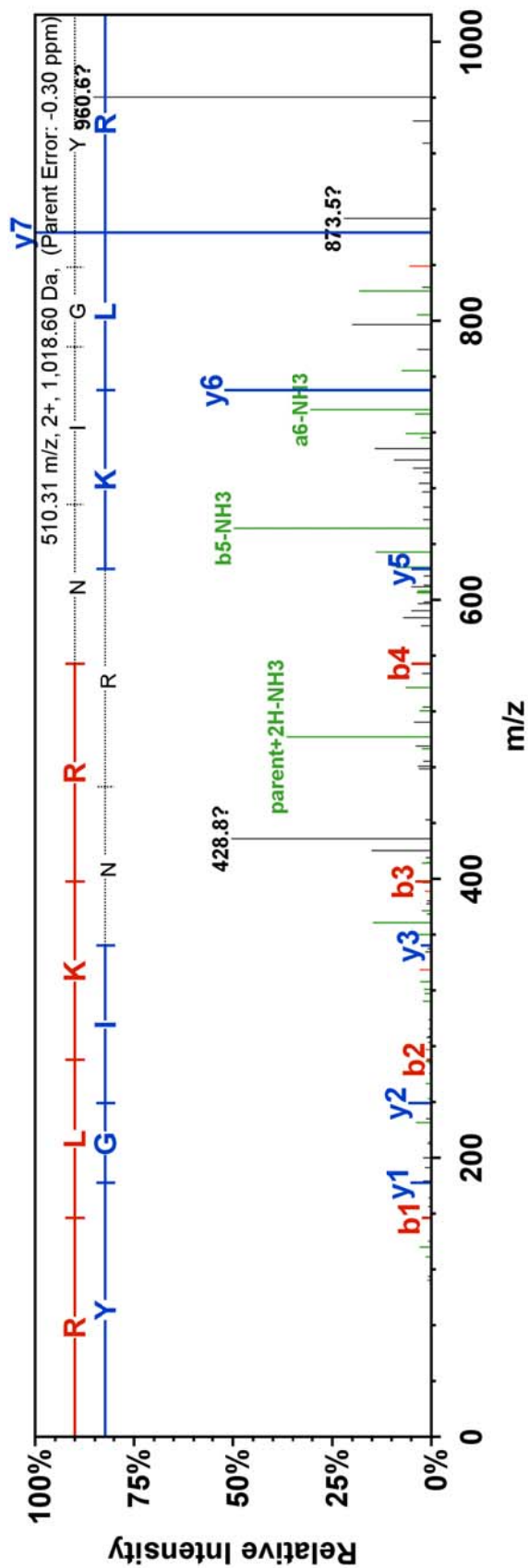
206PRLSLSF212



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	98.1				P	819.5	410.2	802.4	801.5	7
2	254.2	127.6	237.1		R	722.4	361.7	705.4	704.4	6
3	367.2	184.1	350.2		L	566.3			548.3	5
4	454.3	227.6	437.3	436.3	S	453.2			435.2	4
5	567.4	284.2	550.3	549.4	L	366.2			348.2	3
6	654.4	327.7	637.4	636.4	S	253.1			235.1	2
7	819.5	410.2	802.4	801.5	F	166.1				1

beta3 peptides

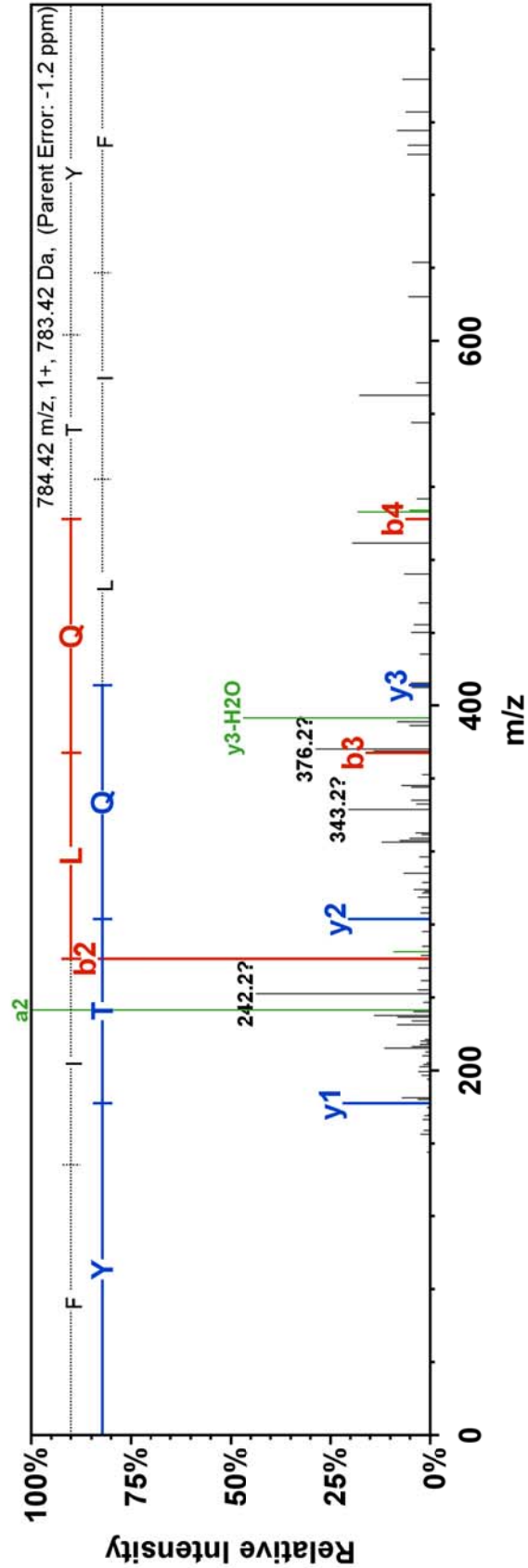
213RLKRNIGY220



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	157.1	79.1	140.1		R	1,019.6	510.3	1,002.6		8
2	270.2	135.6	253.2		L	863.5	432.3	846.5		7
3	398.3	199.6	381.3		K	750.4	375.7	733.4		6
4	554.4	277.7	537.4		R	622.3		605.3		5
5	668.4	334.7	651.4		N	466.2		449.2		4
6	781.5	391.3	764.5		I	352.2				3
7	838.5	419.8	821.5		G	239.1				2
8	1,019.6	510.3	1,002.6		Y	182.1				1

beta3 peptides

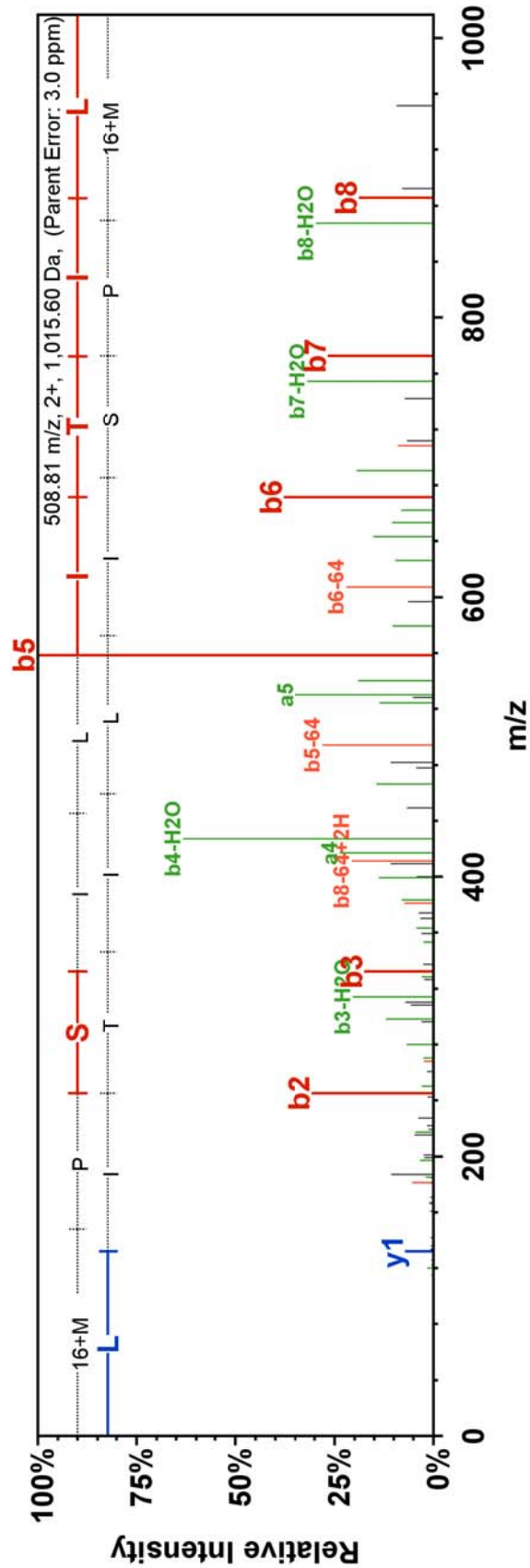
221FILQTY²²⁶



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	148.1				F	784.4		767.4	766.4	6
2	261.2				I	637.4		620.3	619.3	5
3	374.2				L	524.3		507.2	506.3	4
4	502.3		485.3		Q	411.2		394.2	393.2	3
5	603.4		586.3	585.3	T	283.1			265.1	2
6	784.4		767.4	766.4	Y	182.1				1

beta3 peptides

227mPSILITIL²³⁵

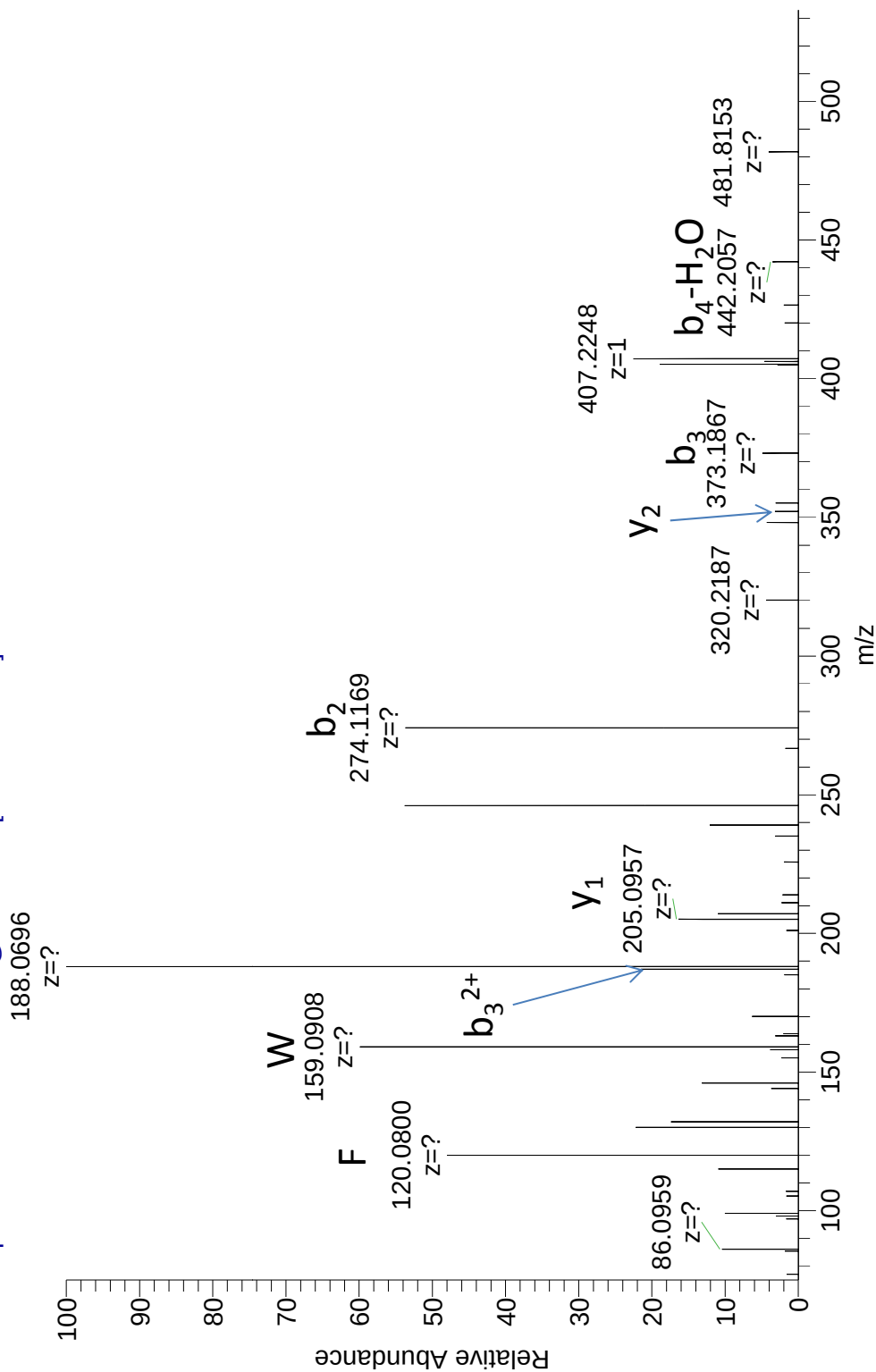


B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	148.0				M+16	1,016.6			998.6	9
2	245.1				P	869.6			851.6	8
3	332.1			314.1	S	772.5			754.5	7
4	445.2			427.2	I	685.5			667.5	6
5	558.3			540.3	L	572.4			554.4	5
6	671.4	336.2		653.4	I	459.3			441.3	4
7	772.4	386.7		754.4	T	346.2			328.2	3
8	885.5	443.3		867.5	I	245.2				2
9	1,016.6	508.8		998.6	L	132.1				1

beta3 peptides

236SWVSFW²⁴¹

Evers_215_3041_291_04 #9669 RT: 71.52 AV: 1 NL: 8.94E3
T: FTMS + p NSI d Full ms2 406.19@hcd35.00 [75.00-825.00]

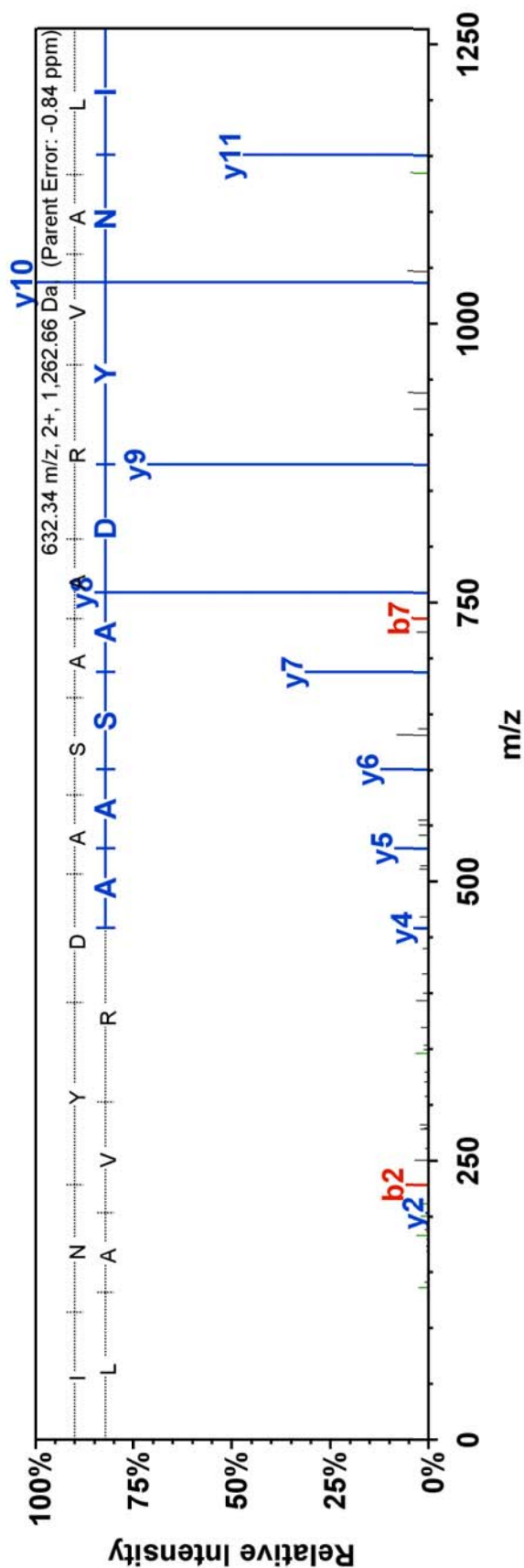


²³⁶S_WV_SF_W241

60.0444	S	178.0919 ⁺²	b ₃ -H ₂ O ⁺²	260.6314 ⁺²	γ ₄ -H ₂ O ⁺²	362.6763 ⁺²	γ ₅ ⁺²	538.266	γ ₄
72.0808	V	187.0972⁺²	b₃⁺²	269.6366 ⁺²	γ ₄ ⁺²	373.187	b ₃	579.2926	a ₅
103.0522 ⁺²	γ ₁ ⁺²	205.0972	γ₁	274.1186	b₂	397.1870 ⁺²	MH-H ₂ O ⁺²	589.2769	b ₅ -H ₂ O
120.0808	F	211.0972 ⁺²	γ ₃ -H ₂ O ⁺²	290.1499 ⁺²	a ₅ ⁺²	406.1923 ⁺²	MH ⁺²	607.2875	b ₅
123.5655 ⁺²	a ₂ ⁺²	216.6157 ⁺²	a ₄ ⁺²	295.1421 ⁺²	b ₅ -H ₂ O ⁺²	421.187	γ ₃ -H ₂ O	706.3348	γ ₅ -H ₂ O
128.5577 ⁺²	b ₂ -H ₂ O ⁺²	220.1024 ⁺²	γ ₃ ⁺²	304.1474 ⁺²	b ₅ ⁺²	432.2241	a ₄	724.3453	γ ₅
137.5629 ⁺²	b ₂ ⁺²	221.6079 ⁺²	b ₄ -H ₂ O ⁺²	345.1921	a ₃	439.1976	γ ₃	793.3668	MH-H ₂ O
159.0917	W	230.6132 ⁺²	b ₄ ⁺²	352.1656	γ₂	442.2085	b ₄ -H ₂ O	811.3774	MH
173.0997 ⁺²	a ₃ ⁺²	246.1237	a ₂	353.6710 ⁺²	γ ₅ -H ₂ O ⁺²	460.2191	b ₄		
176.5864 ⁺²	γ ₂ ⁺²	256.1081	b ₂ -H ₂ O	355.1765	b ₃ -H ₂ O	520.2554	γ ₄ -H ₂ O		

beta3 peptides

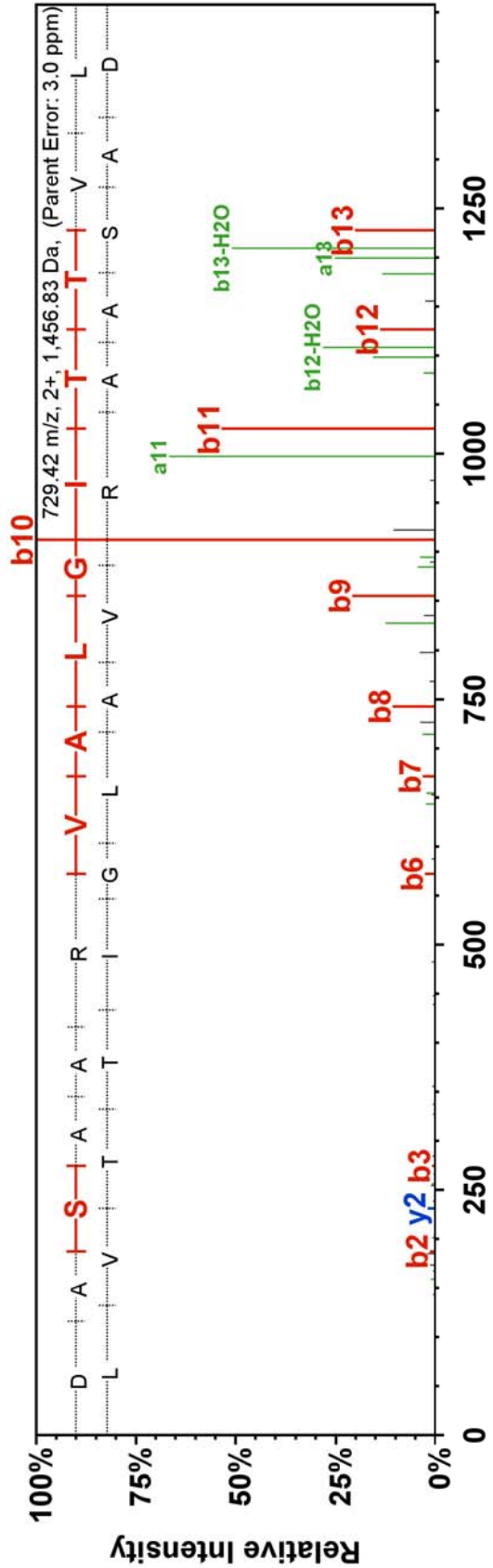
242INYDASARVAL²⁵³



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				I	1,263.7	632.3	1,246.6	1,245.7	12
2	228.1		211.1		N	1,150.6	575.8	1,133.6	1,132.6	11
3	391.2		374.2		Y	1,036.5	518.8	1,019.5	1,018.5	10
4	506.2		489.2	488.2	D	873.5	437.2	856.5	855.5	9
5	577.3		560.2	559.3	A	758.5	379.7	741.4	740.4	8
6	664.3	332.7	647.3	646.3	S	687.4	344.2	670.4	669.4	7
7	735.3	368.2	718.3	717.3	A	600.4	300.7	583.4		6
8	806.4	403.7	789.3	788.4	A	529.3		512.3		5
9	962.5	481.7	945.4	944.5	R	458.3		441.3		4
10	1,061.5	531.3	1,044.5	1,043.5	Y	302.2				3
11	1,132.6	566.8	1,115.5	1,114.6	A	203.1				2
12	1,263.7	632.3	1,246.6	1,245.7	I	132.1				1

beta3 peptides

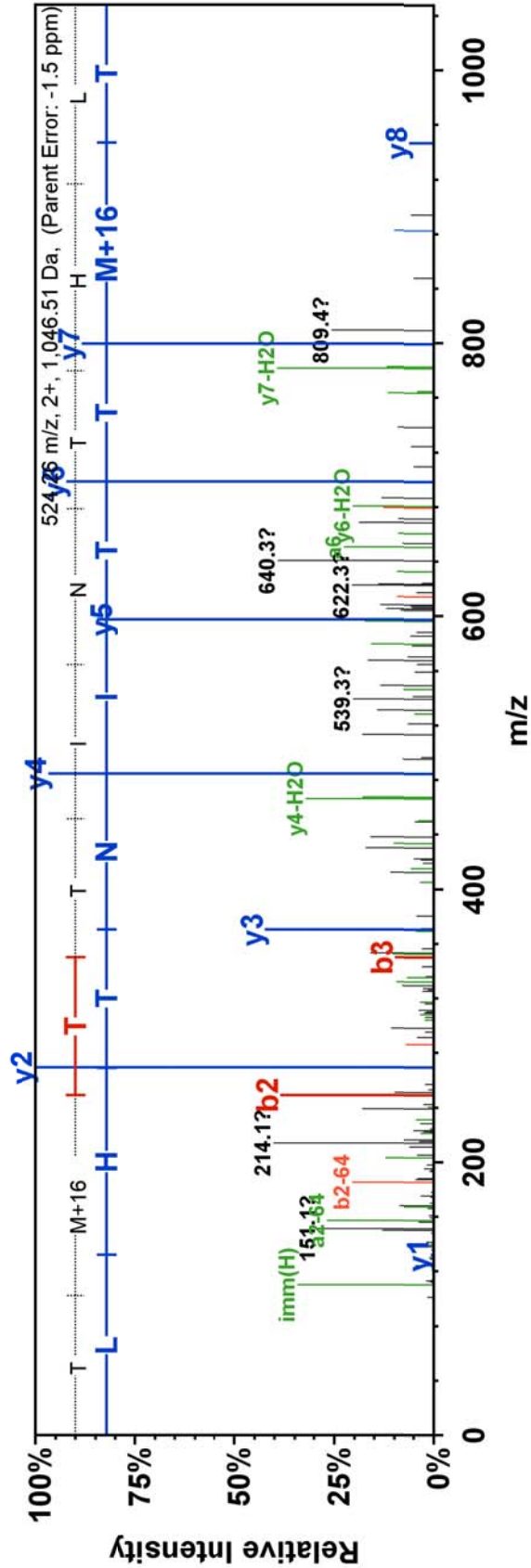
245DASAARVALGITTVL259



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	116.0			98.0	D	1,457.8	729.4	1,440.8	1,439.8	15
2	187.1			169.1	A	1,342.8	671.9	1,325.8	1,324.8	14
3	274.1			256.1	S	1,271.8	636.4	1,254.7	1,253.8	13
4	345.1			327.1	A	1,184.7	592.9	1,167.7	1,166.7	12
5	416.2			398.2	A	1,113.7	557.4	1,096.7	1,095.7	11
6	572.3	286.6	555.3	554.3	R	1,042.7	521.8	1,025.6	1,024.7	10
7	671.3	336.2	654.3	653.3	V	886.6			868.6	9
8	742.4	371.7	725.4	724.4	A	787.5			769.5	8
9	855.5	428.2	838.4	837.5	L	716.5			698.4	7
10	912.5	456.7	895.5	894.5	G	603.4			585.4	6
11	1,025.6	513.3	1,008.5	1,007.6	I	546.3			528.3	5
12	1,126.6	563.8	1,109.6	1,108.6	T	433.3			415.3	4
13	1,227.7	614.3	1,210.6	1,209.7	T	332.2			314.2	3
14	1,326.7	663.9	1,309.7	1,308.7	V	231.2				2
15	1,457.8	729.4	1,440.8	1,439.8	L	132.1				1

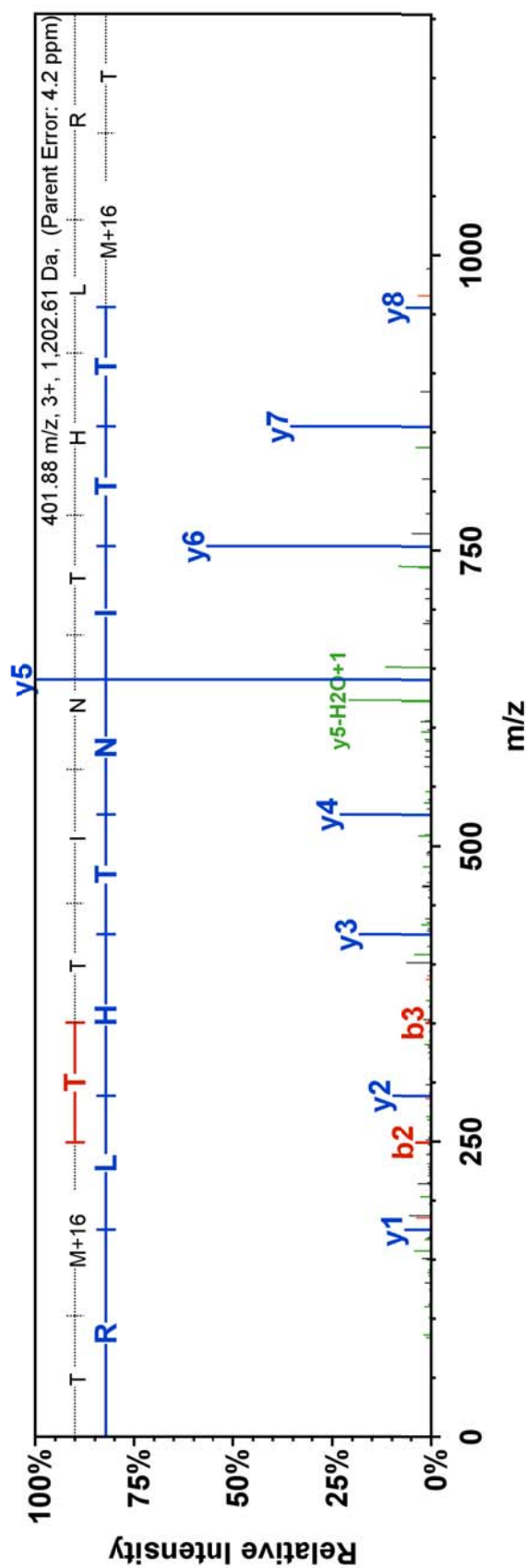
beta3 peptides

260TmTTINTHL268



beta3 peptides

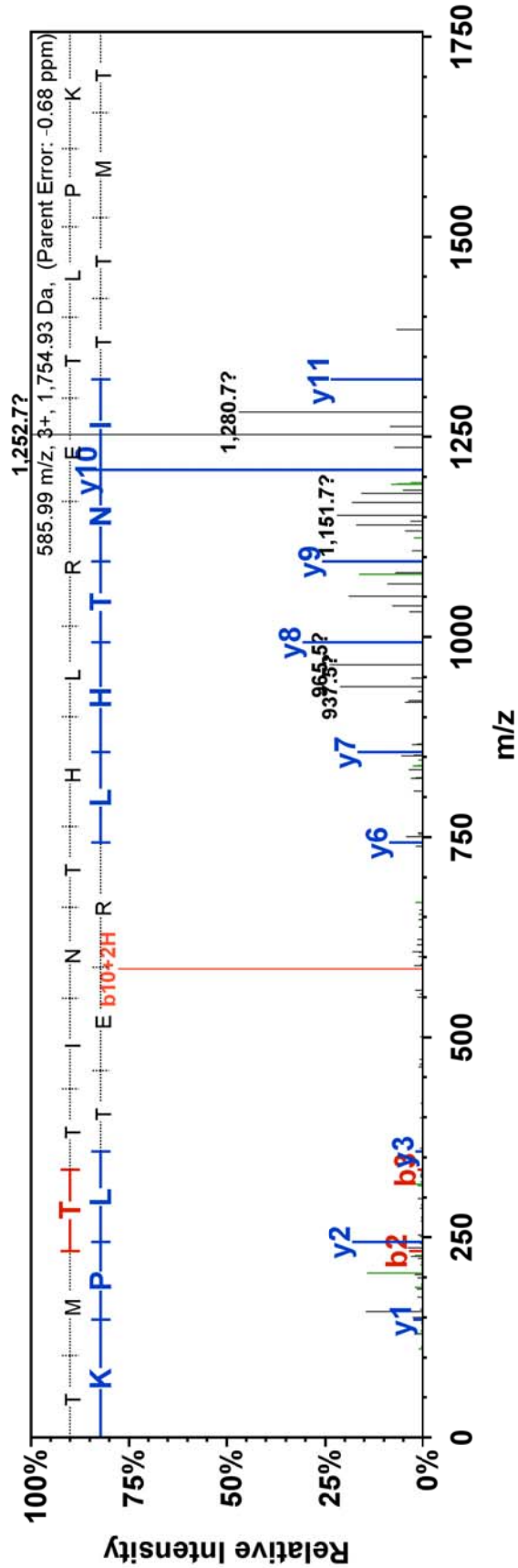
260TmTTINTHLR269



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1	51.5		84.0	T	1,203.6	602.3	1,186.6	1,185.6	10
2	249.1	125.0		231.1	M+16	1,102.6	551.8	1,085.5	1,084.6	9
3	350.1	175.6		332.1	T	955.5	478.3	938.5	937.5	8
4	451.2	226.1		433.2	T	854.5	427.7	837.5	836.5	7
5	564.3	282.6		546.3	I	753.4	377.2	736.4	735.4	6
6	678.3	339.7	661.3	660.3	N	640.4	320.7	623.3	622.3	5
7	779.4	390.2	762.3	761.3	T	526.3	263.7	509.3	508.3	4
8	916.4	458.7	899.4	898.4	H	425.3	213.1	408.2		3
9	1,029.5	515.3	1,012.5	1,011.5	L	288.2	144.6	271.2		2
10	1,203.6	602.3	1,186.6	1,185.6	R	175.1	88.1	158.1		1

beta3 peptides

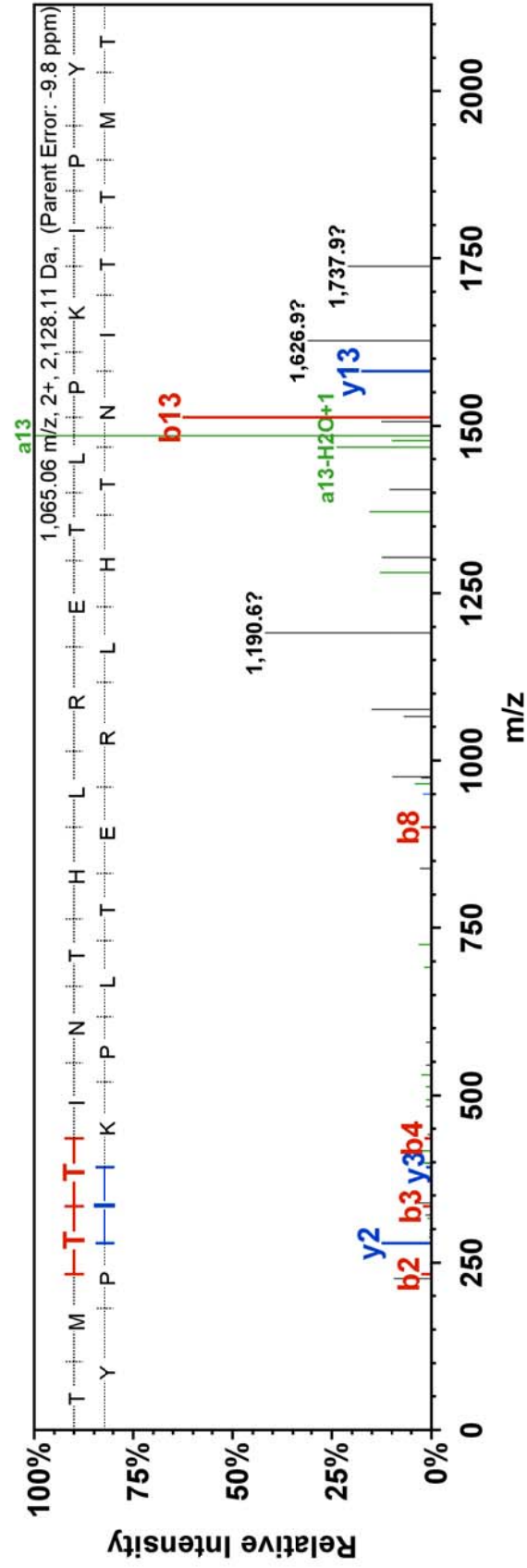
260TmTTINTHLRETLPK²⁷⁴



1	102.1	51.5	84.0	T	1,755.9	878.5	1,738.9	1,737.9	15
2	233.1	117.1	215.1	M	1,654.9	828.0	1,637.9	1,636.9	14
3	334.1	167.6	316.1	T	1,523.9	762.4	1,506.8	1,505.8	13
4	435.2	218.1	417.2	T	1,422.8	711.9	1,405.8	1,404.8	12
5	548.3	274.6	530.3	I	1,321.8	661.4	1,304.7	1,303.7	11
6	662.3	331.7	644.3	N	1,208.7	604.8	1,191.6	1,190.7	10
7	763.4	382.2	745.4	T	1,094.6	547.8	1,077.6	1,076.6	9
8	900.4	450.7	882.4	H	993.6	497.3	976.6	975.6	8
9	1,013.5	507.3	995.5	L	856.5	428.8	839.5	838.5	7
10	1,169.6	585.3	1,152.6	R	743.4	372.2	726.4	725.4	6
11	1,298.7	649.8	1,281.6	E	587.3	294.2	570.3	569.3	5
12	1,399.7	700.4	1,382.7	T	458.3	229.7	441.3	440.3	4
13	1,512.8	756.9	1,495.8	L	357.2	179.1	340.2		3
14	1,609.8	805.4	1,592.8	P	244.2	122.6	227.1		2
15	1,755.9	878.5	1,738.9	K	147.1	74.1	130.1		1

beta3 peptides

²⁶⁰TMTTINTHLRETLPKIPY²⁷⁷



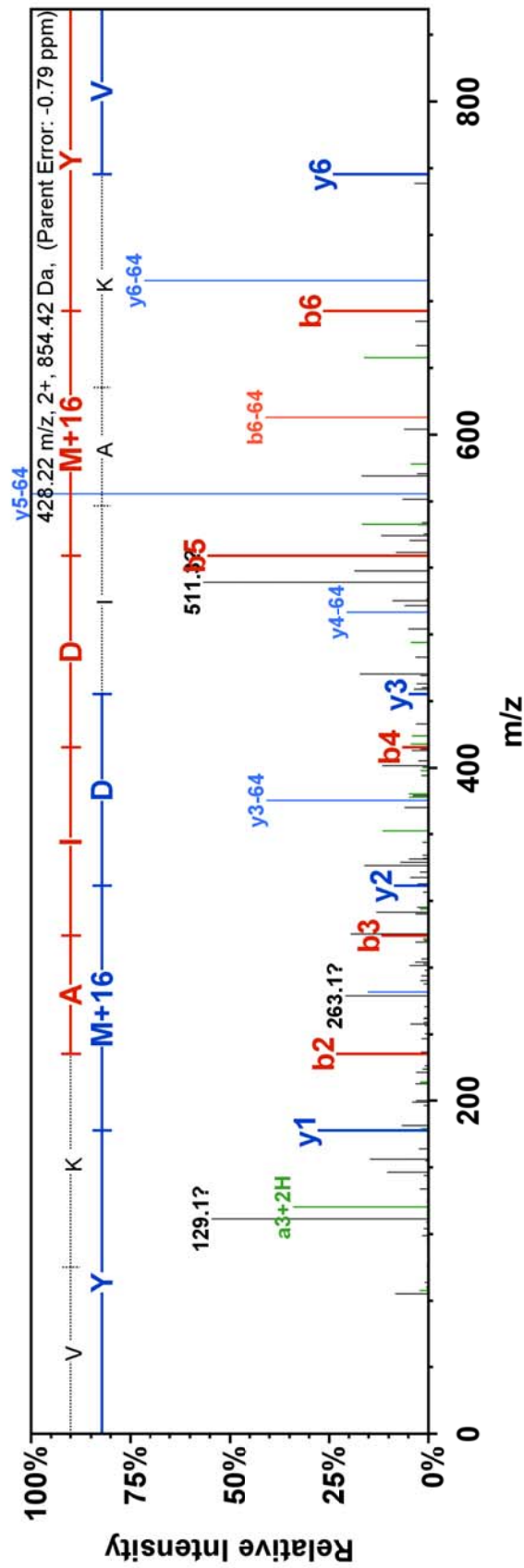
beta3 peptides

260TMTTINTHLRETLPKIPY²⁷⁷

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	102.1			84.0	T	2,129.1	1,065.1	2,112.1	2,111.1	18
2	233.1			215.1	M	2,028.1	1,014.6	2,011.1	2,010.1	17
3	334.1			316.1	T	1,897.1	949.0	1,880.0	1,879.0	16
4	435.2			417.2	T	1,796.0	898.5	1,779.0	1,778.0	15
5	548.3			530.3	I	1,695.0	848.0	1,677.9	1,676.9	14
6	662.3	331.7	645.3	644.3	N	1,581.9	791.4	1,564.8	1,563.9	13
7	763.4	382.2	746.3	745.4	T	1,467.8	734.4	1,450.8	1,449.8	12
8	900.4	450.7	883.4	882.4	H	1,366.8	683.9	1,349.8	1,348.8	11
9	1,013.5	507.3	996.5	995.5	L	1,229.7	615.4	1,212.7	1,211.7	10
10	1,169.6	585.3	1,152.6	1,151.6	R	1,116.6	558.8	1,099.6	1,098.6	9
11	1,298.7	649.8	1,281.6	1,280.6	E	960.5	480.8	943.5	942.5	8
12	1,399.7	700.4	1,382.7	1,381.7	T	831.5	416.3	814.5	813.5	7
13	1,512.8	756.9	1,495.8	1,494.8	L	730.4	365.7	713.4		6
14	1,609.8	805.4	1,592.8	1,591.8	P	617.4		600.3		5
15	1,737.9	869.5	1,720.9	1,719.9	K	520.3		503.3		4
16	1,851.0	926.0	1,834.0	1,833.0	I	392.2				3
17	1,948.1	974.5	1,931.0	1,930.1	P	279.1				2
18	2,129.1	1,065.1	2,112.1	2,111.1	Y	182.1				1

beta3 peptides

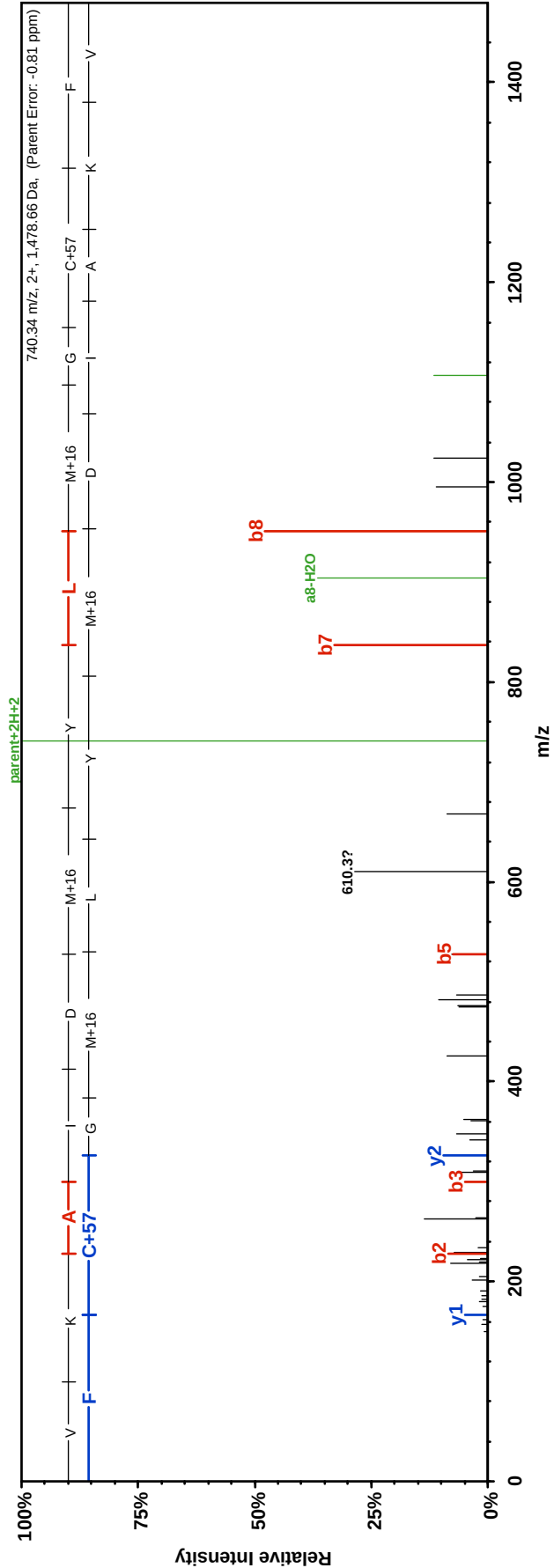
278VKAlDmY²⁸⁴



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	100.1				Y	855.4	428.2	838.4	837.4	7
2	228.2	114.6	211.1		K	756.4	378.7	739.3	738.3	6
3	299.2	150.1	282.2		A	628.3			610.3	5
4	412.3	206.6	395.3		I	557.2			539.2	4
5	527.3	264.2	510.3	509.3	D	444.1			426.1	3
6	674.4	337.7	657.3	656.3	M+16	329.1				2
7	855.4	428.2	838.4	837.4	Y	182.1				1

beta3 peptides

278VKAlDmYLmGcF289



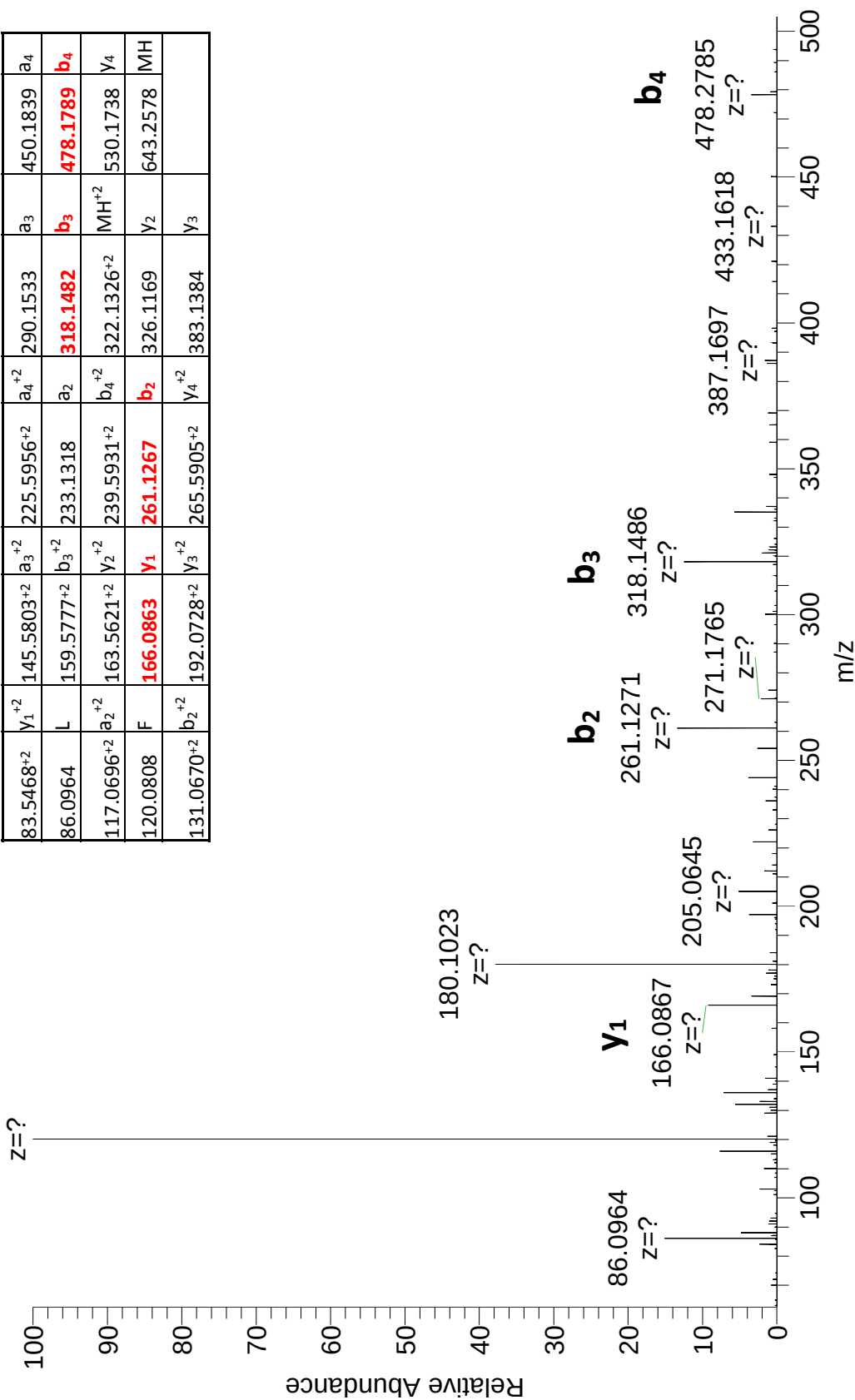
B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	100.1				V	1,479.7	740.3	1,462.6	1,461.7	12
2	228.2	114.6	211.1		K	1,380.6	690.8	1,363.6	1,362.6	11
3	299.2	150.1	282.2		A	1,252.5			1,234.5	10
4	412.3	206.6	395.3		I	1,181.5			1,163.5	9
5	527.3	264.2	510.3	509.3	D	1,068.4			1,050.4	8
6	674.4	337.7	657.3	656.3	M+16	953.4				7
7	837.4	419.2	820.4	819.4	Y	806.3				6
8	950.5	475.8	933.5	932.5	L	643.3				5
9	1,097.5	549.3	1,080.5	1,079.5	M+16	530.2				4
10	1,154.6	577.8	1,137.5	1,136.5	G	383.1				3
11	1,314.6	657.8	1,297.6	1,296.6	C+57	326.1				2
12	1,479.7	740.3	1,462.6	1,461.7	F	166.1				1

beta3 peptides

285LmGcF291

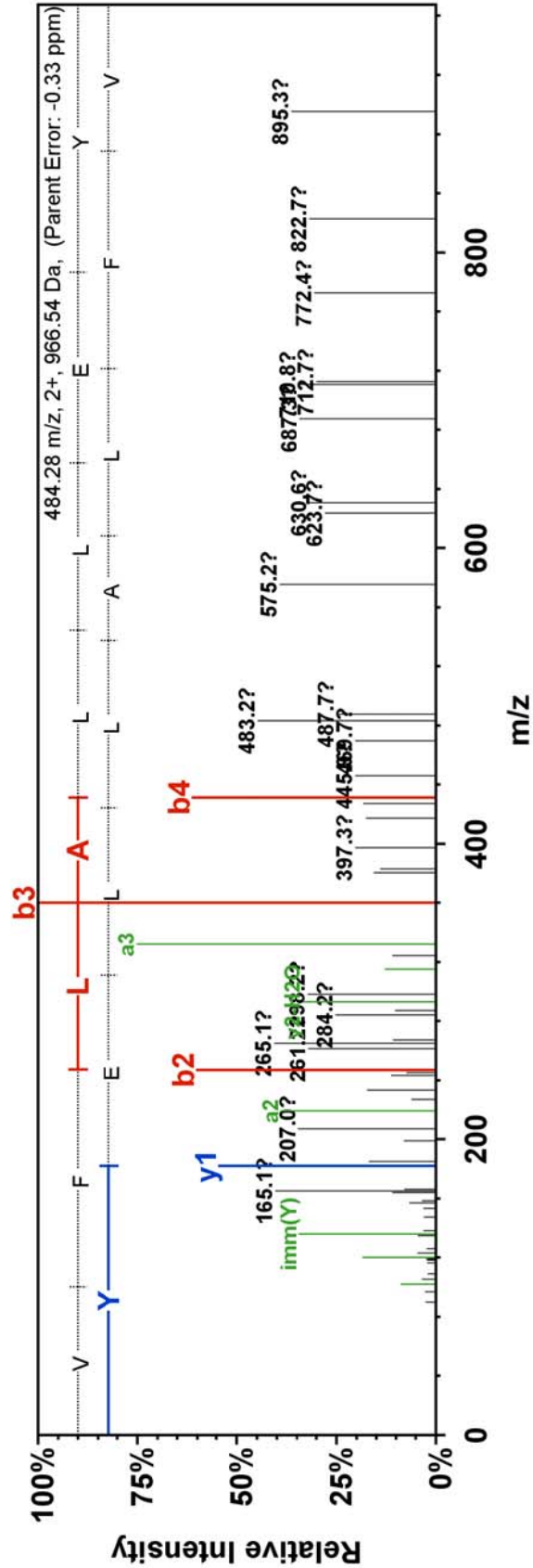
Evers_207_2960_291_08_#4329 RT: 39.78 AV: 1 NL: 6.84E4
T: FTMS + p NSI d Full ms2 322.13@hcd35.00 [60.00-655.00]

83.5468 ⁺²	γ_1^{+2}	145.5803 ⁺²	a_3^{+2}	225.5956 ⁺²	a_4^{+2}	290.1533	a_3	450.1839	a_4
86.0964	L	159.5777 ⁺²	b_3^{+2}	233.1318	a_2	318.1482	b_3	478.1789	b_4
117.0696 ⁺²	a_2^{+2}	163.5621 ⁺²	γ_2^{+2}	239.5931 ⁺²	b_4^{+2}	322.1326 ⁺²	MH ⁺²	530.1738	γ_4
120.0808	F	166.0863	γ_1	261.1267	b_2	326.1169	γ_2	643.2578	MH
131.0670 ⁺²	b_2^{+2}	192.0728 ⁺²	γ_3^{+2}	265.5905 ⁺²	γ_4^{+2}	383.1384	γ_3		



beta3 peptides

292VFLALLEY299



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	100.1				V	967.5			949.5	8
2	247.1				F	868.5			850.5	7
3	360.2				L	721.4			703.4	6
4	431.3				A	608.3			590.3	5
5	544.3				L	537.3			519.3	4
6	657.4	329.2			L	424.2			406.2	3
7	786.5	393.7		768.5	E	311.1			293.1	2
8	967.5	484.3		949.5	Y	182.1				1

beta3 peptides

300AFVNY304

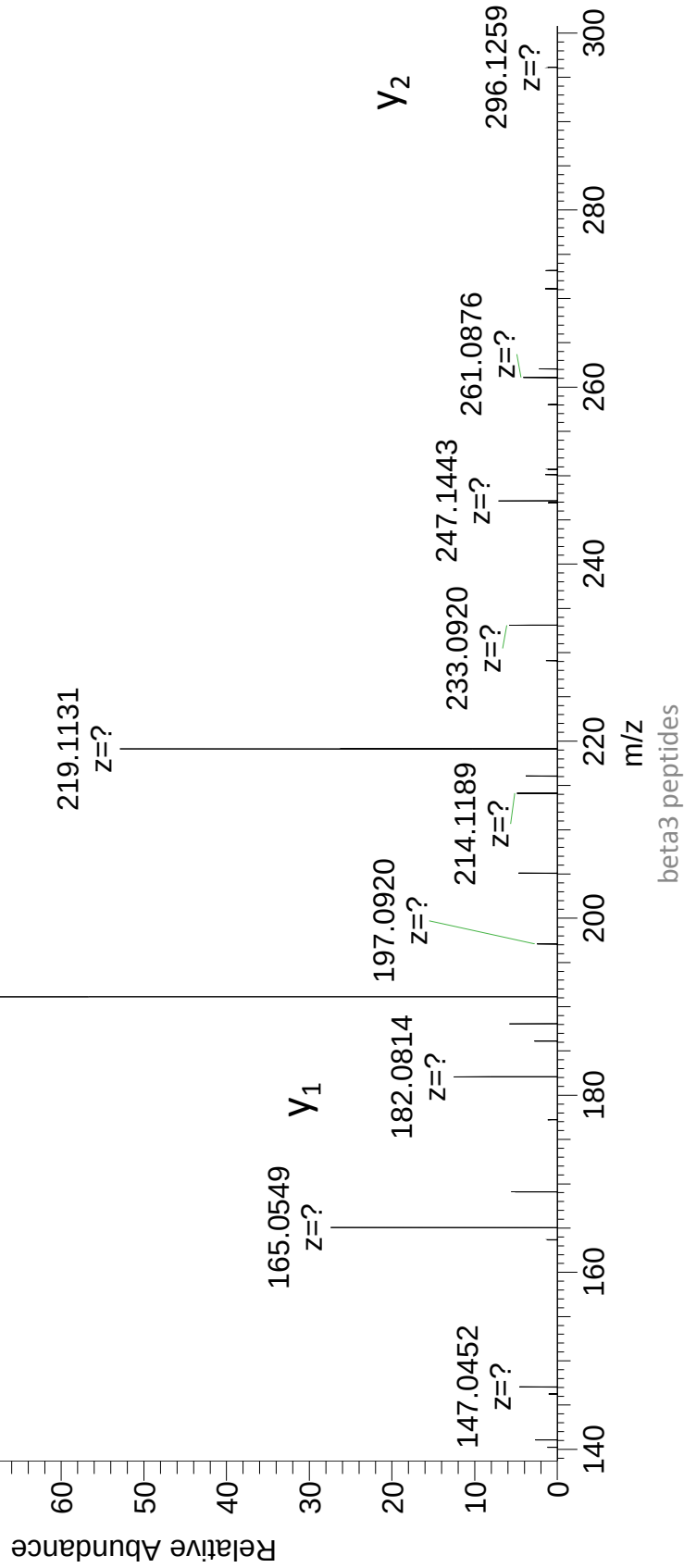
Evers_207_2960_291_09 #5270 RT: 45.18 AV: 1 NL: 1.62E5
T: FTMS + p NSI d Full ms2 307.15@hcd35.00 [55.00-625.00]

191.1182

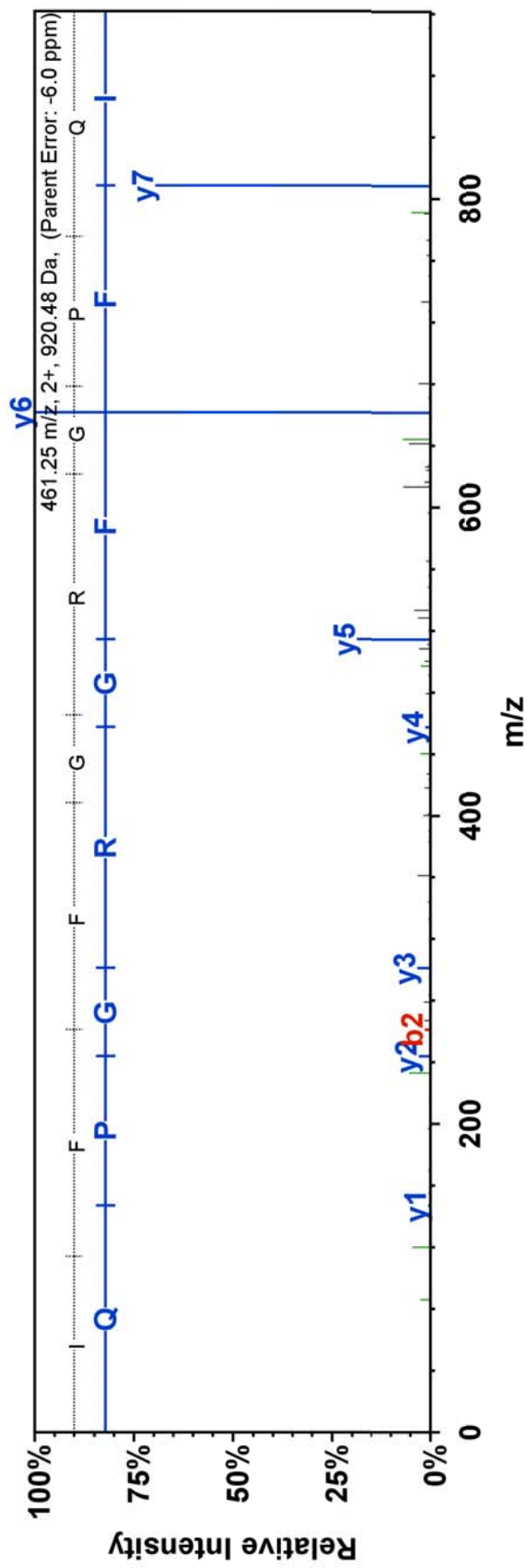
z=?

72.0808	V	191.1179	a ₂	318.1812	b ₃	415.1976	b ₄ -NH ₃
87.0553	N	219.1128	b ₂	378.166	y ₃ -NH ₃	432.2241	b ₄
120.0808	F	279.0975	y ₂ -NH ₃	387.2027	a ₄ -NH ₃	525.2344	y ₄ -NH ₃
136.0757	Y	290.1863	a ₃	395.1925	y ₃	542.2609	y ₄
182.0812	y ₁	296.1241	y ₂	404.2292	a ₄	596.2715	MH-NH ₃

b₂



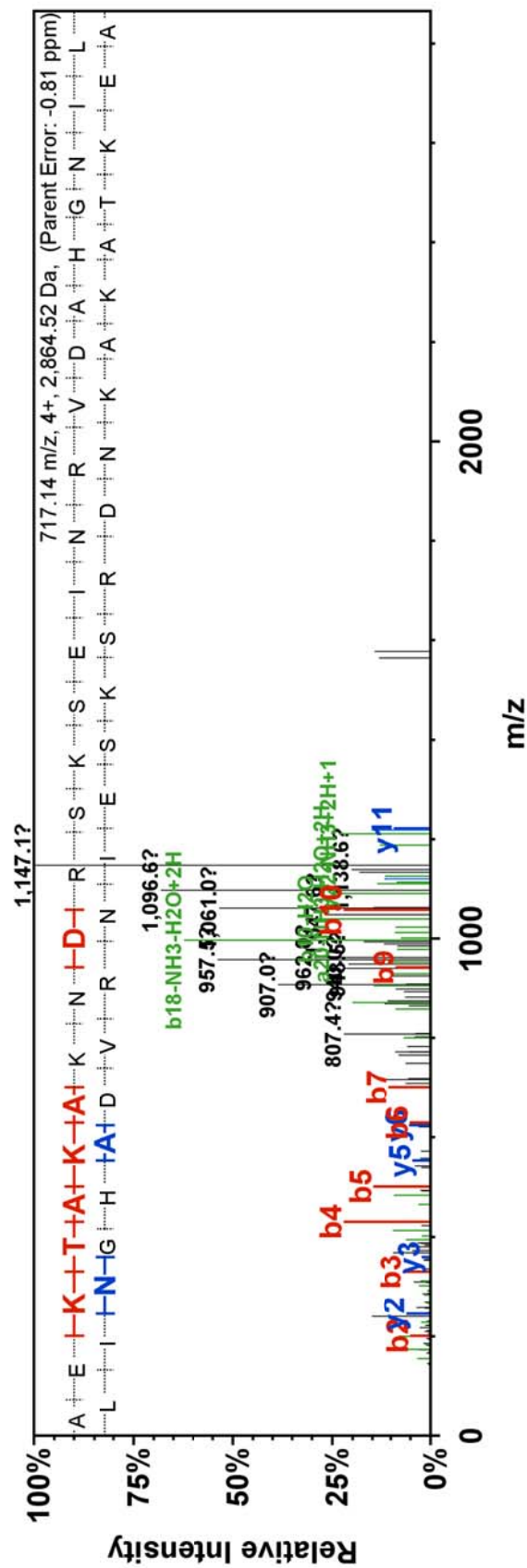
305IFFGRGPQ³¹²



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				I	921.5	461.3	904.5		8
2	261.2				F	808.4	404.7	791.4		7
3	408.2				F	661.3	331.2	644.3		6
4	465.2				G	514.3		497.2		5
5	621.4	311.2	604.3		R	457.3		440.2		4
6	678.4	339.7	661.3		G	301.2		284.1		3
7	775.4	388.2	758.4		P	244.1		227.1		2
8	921.5	461.3	904.5		Q	147.1		130.0		1

beta3 peptides

³¹⁸AEKTAKAKNDRSKSEINRVDAHGNIL³⁴³



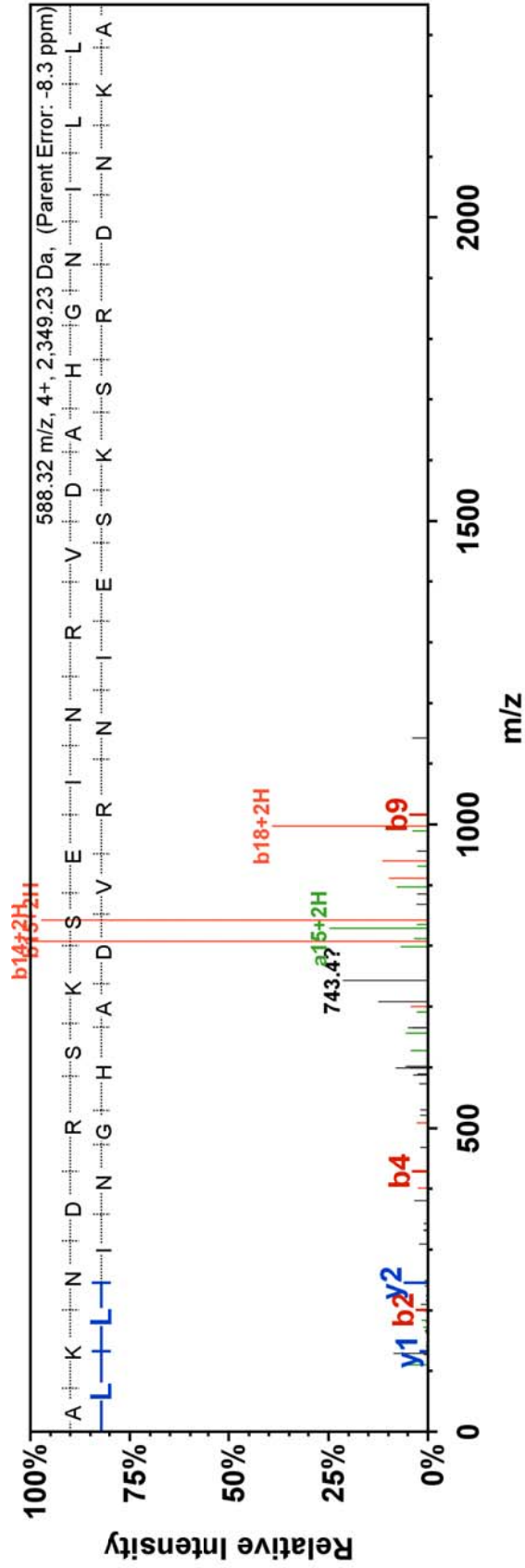
beta3 peptides

318AEKTAKAKNDRSKSEINRVDAHGNIL³⁴³

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	72.0	36.5			A	2,865.5	1,433.3	2,848.5	2,847.5	26
2	201.1	101.0		183.1	E	2,794.5	1,397.7	2,777.5	2,776.5	25
3	329.2	165.1	312.2	311.2	K	2,665.4	1,333.2	2,648.4	2,647.4	24
4	430.2	215.6	413.2	412.2	T	2,537.4	1,269.2	2,520.3	2,519.3	23
5	501.3	251.1	484.2	483.3	A	2,436.3	1,218.7	2,419.3	2,418.3	22
6	629.4	315.2	612.3	611.4	K	2,365.3	1,183.1	2,348.2	2,347.3	21
7	700.4	350.7	683.4	682.4	A	2,237.2	1,119.1	2,220.1	2,219.2	20
8	828.5	414.8	811.5	810.5	K	2,166.1	1,083.6	2,149.1	2,148.1	19
9	942.5	471.8	925.5	924.5	N	2,038.0	1,019.5	2,021.0	2,020.0	18
10	1,057.6	529.3	1,040.5	1,039.6	D	1,924.0	962.5	1,907.0	1,906.0	17
11	1,213.7	607.3	1,196.6	1,195.7	R	1,809.0	905.0	1,791.9	1,791.0	16
12	1,300.7	650.9	1,283.7	1,282.7	S	1,652.9	826.9	1,635.8	1,634.9	15
13	1,428.8	714.9	1,411.8	1,410.8	K	1,565.8	783.4	1,548.8	1,547.8	14
14	1,515.8	758.4	1,498.8	1,497.8	S	1,437.7	719.4	1,420.7	1,419.7	13
15	1,644.9	822.9	1,627.8	1,626.9	E	1,350.7	675.9	1,333.7	1,332.7	12
16	1,758.0	879.5	1,740.9	1,739.9	I	1,221.7	611.3	1,204.6	1,203.7	11
17	1,872.0	936.5	1,855.0	1,854.0	N	1,108.6	554.8	1,091.6	1,090.6	10
18	2,028.1	1,014.6	2,011.1	2,010.1	R	994.5	497.8	977.5	976.5	9
19	2,127.2	1,064.1	2,110.1	2,109.2	Y	838.4	419.7	821.4	820.4	8
20	2,242.2	1,121.6	2,225.2	2,224.2	D	739.4	370.2	722.3	721.4	7
21	2,313.2	1,157.1	2,296.2	2,295.2	A	624.3	312.7	607.3		6
22	2,450.3	1,225.6	2,433.3	2,432.3	H	553.3	277.2	536.3		5
23	2,507.3	1,254.2	2,490.3	2,489.3	G	416.3	208.6	399.2		4
24	2,621.4	1,311.2	2,604.3	2,603.3	N	359.2	180.1	342.2		3
25	2,734.4	1,367.7	2,717.4	2,716.4	I	245.2	123.1			2
26	2,865.5	1,433.3	2,848.5	2,847.5	L	132.1	66.6			1

beta3 peptides

³²⁴AKNDRSKSEINRVDAHGNILL³⁴⁴



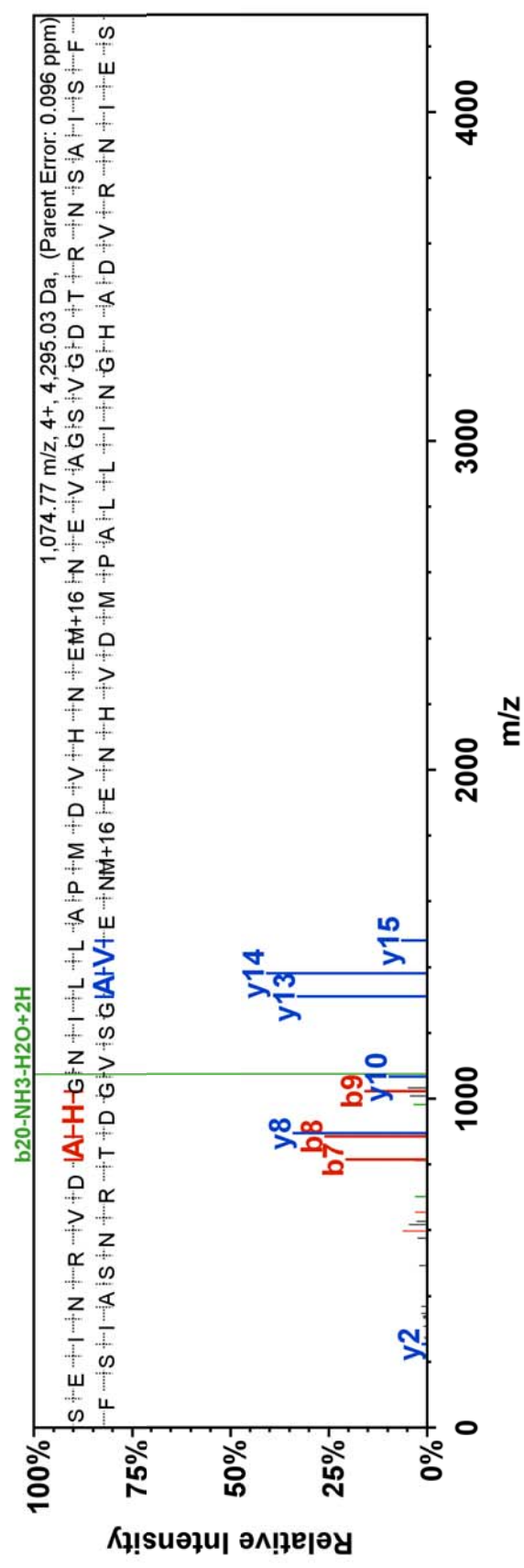
beta3 peptides

324AKNDRSKSEINRVDAHGNILL³⁴⁴

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	72.0	36.5			A	2,350.3	1,175.6	2,333.2	2,332.2	21
2	200.1	100.6	183.1		K	2,279.2	1,140.1	2,262.2	2,261.2	20
3	314.2	157.6	297.2		N	2,151.1	1,076.1	2,134.1	2,133.1	19
4	429.2	215.1	412.2	411.2	D	2,037.1	1,019.0	2,020.1	2,019.1	18
5	585.3	293.2	568.3	567.3	R	1,922.1	961.5	1,905.0	1,904.0	17
6	672.3	336.7	655.3	654.3	S	1,766.0	883.5	1,748.9	1,747.9	16
7	800.4	400.7	783.4	782.4	K	1,678.9	840.0	1,661.9	1,660.9	15
8	887.5	444.2	870.4	869.5	S	1,550.8	775.9	1,533.8	1,532.8	14
9	1,016.5	508.8	999.5	998.5	E	1,463.8	732.4	1,446.8	1,445.8	13
10	1,129.6	565.3	1,112.6	1,111.6	I	1,334.8	667.9	1,317.7	1,316.7	12
11	1,243.6	622.3	1,226.6	1,225.6	N	1,221.7	611.3	1,204.6	1,203.7	11
12	1,399.7	700.4	1,382.7	1,381.7	R	1,107.6	554.3	1,090.6	1,089.6	10
13	1,498.8	749.9	1,481.8	1,480.8	V	951.5	476.3	934.5	933.5	9
14	1,613.8	807.4	1,596.8	1,595.8	D	852.5	426.7	835.4	834.4	8
15	1,684.9	842.9	1,667.8	1,666.9	A	737.4	369.2	720.4		7
16	1,821.9	911.5	1,804.9	1,803.9	H	666.4	333.7	649.4		6
17	1,879.0	940.0	1,861.9	1,860.9	G	529.3	265.2	512.3		5
18	1,993.0	997.0	1,976.0	1,975.0	N	472.3	236.7	455.3		4
19	2,106.1	1,053.5	2,089.1	2,088.1	I	358.3	179.6			3
20	2,219.2	1,110.1	2,202.1	2,201.2	L	245.2	123.1			2
21	2,350.3	1,175.6	2,333.2	2,332.2	L	132.1	66.6			1

beta3 peptides

³³¹SEINRVDAHGNI¹⁶LAPMDVHNEmNEVAGSVGDTRNSAISF³⁷⁰



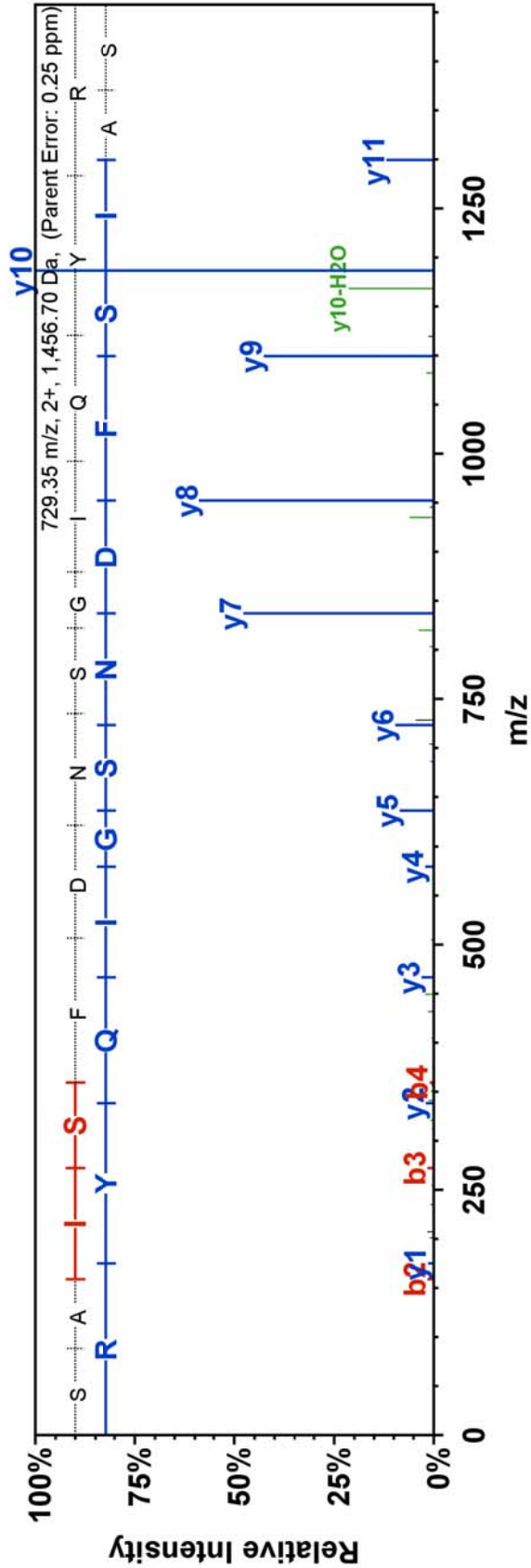
beta3 peptides

331SEINRVDAHGNILLAPMDVHNEmNEVAGSVGDTRNSAISF370

B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0	44.5		70.0	S	4,296.0	2,148.5	4,279.0	4,278.0	40
2	217.1	109.0		199.1	E	4,209.0	2,105.0	4,192.0	4,191.0	39
3	330.2	165.6		312.2	I	4,080.0	2,040.5	4,062.9	4,062.0	38
4	444.2	222.6	427.2	426.2	N	3,966.9	1,983.9	3,949.9	3,948.9	37
5	600.3	300.7	583.3	582.3	R	3,852.8	1,926.9	3,835.8	3,834.8	36
6	699.4	350.2	682.4	681.4	V	3,696.7	1,848.9	3,679.7	3,678.7	35
7	814.4	407.7	797.4	796.4	D	3,597.7	1,799.3	3,580.6	3,579.7	34
8	885.4	443.2	868.4	867.4	A	3,482.6	1,741.8	3,465.6	3,464.6	33
9	1,022.5	511.8	1,005.5	1,004.5	H	3,411.6	1,706.3	3,394.6	3,393.6	32
10	1,079.5	540.3	1,062.5	1,061.5	G	3,274.5	1,637.8	3,257.5	3,256.5	31
11	1,193.6	597.3	1,176.5	1,175.6	N	3,217.5	1,609.3	3,200.5	3,199.5	30
12	1,306.6	653.8	1,289.6	1,288.6	I	3,103.5	1,552.2	3,086.5	3,085.5	29
13	1,419.7	710.4	1,402.7	1,401.7	L	2,990.4	1,495.7	2,973.4	2,972.4	28
14	1,532.8	766.9	1,515.8	1,514.8	L	2,877.3	1,439.2	2,860.3	2,859.3	27
15	1,603.9	802.4	1,586.8	1,585.8	A	2,764.2	1,382.6	2,747.2	2,746.2	26
16	1,700.9	851.0	1,683.9	1,682.9	P	2,693.2	1,347.1	2,676.2	2,675.2	25
17	1,831.9	916.5	1,814.9	1,813.9	M	2,596.1	1,298.6	2,579.1	2,578.1	24
18	1,947.0	974.0	1,929.9	1,929.0	D	2,465.1	1,233.1	2,448.1	2,447.1	23
19	2,046.0	1,023.5	2,029.0	2,028.0	V	2,350.1	1,175.5	2,333.0	2,332.1	22
20	2,183.1	1,092.1	2,166.1	2,165.1	H	2,251.0	1,126.0	2,234.0	2,233.0	21
21	2,297.1	1,149.1	2,280.1	2,279.1	N	2,113.9	1,057.5	2,096.9	2,095.9	20
22	2,426.2	1,213.6	2,409.2	2,408.2	E	1,999.9	1,000.5	1,982.9	1,981.9	19
23	2,573.2	1,287.1	2,556.2	2,555.2	M+16	1,870.9	935.9	1,853.8	1,852.8	18
24	2,687.3	1,344.1	2,670.2	2,669.3	N	1,723.8	862.4	1,706.8	1,705.8	17
25	2,816.3	1,408.7	2,799.3	2,798.3	E	1,609.8	805.4	1,592.8	1,591.8	16
26	2,915.4	1,458.2	2,898.4	2,897.4	V	1,480.7	740.9	1,463.7	1,462.7	15
27	2,986.4	1,493.7	2,969.4	2,968.4	A	1,381.7	691.3	1,364.6	1,363.7	14
28	3,043.4	1,522.2	3,026.4	3,025.4	G	1,310.6	655.8	1,293.6	1,292.6	13
29	3,130.5	1,565.7	3,113.4	3,112.5	S	1,253.6	627.3	1,236.6	1,235.6	12
30	3,229.5	1,615.3	3,212.5	3,211.5	V	1,166.6	583.8	1,149.6	1,148.6	11
31	3,286.6	1,643.8	3,269.5	3,268.5	G	1,067.5	534.3	1,050.5	1,049.5	10
32	3,401.6	1,701.3	3,384.6	3,383.6	D	1,010.5	505.7	993.5	992.5	9
33	3,502.6	1,751.8	3,485.6	3,484.6	T	895.5	448.2	878.4	877.5	8
34	3,658.7	1,829.9	3,641.7	3,640.7	R	794.4	397.7	777.4	776.4	7
35	3,772.8	1,886.9	3,755.8	3,754.8	N	638.3	319.7	621.3	620.3	6
36	3,859.8	1,930.4	3,842.8	3,841.8	S	524.3	262.6		506.3	5
37	3,930.8	1,965.9	3,913.8	3,912.8	A	437.2	219.1		419.2	4
38	4,043.9	2,022.5	4,026.9	4,025.9	I	366.2	183.6		348.2	3
39	4,131.0	2,066.0	4,113.9	4,113.0	S	253.1	127.1		235.1	2
40	4,296.0	2,148.5	4,279.0	4,278.0	F	166.1	83.5			1

beta3 peptides

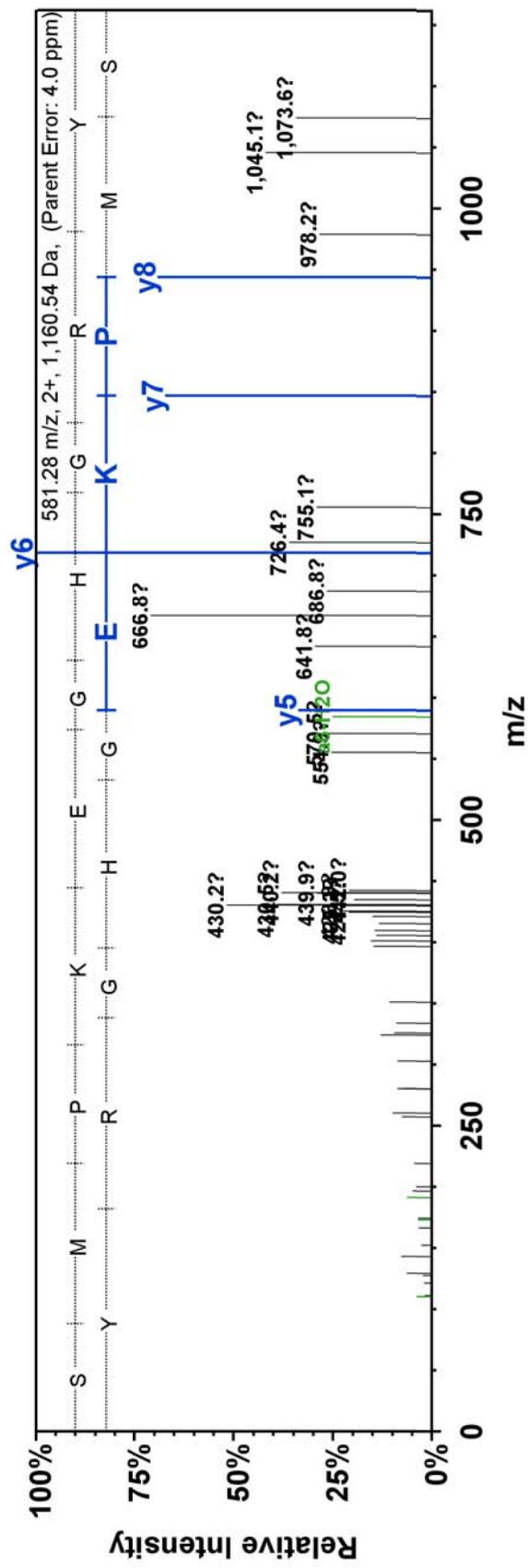
366SAISFDNSG IQYR³⁷⁸



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0			70.0	S	1,457.7	729.4	1,440.7	1,439.7	13
2	159.1			141.1	A	1,370.7	685.8	1,353.6	1,352.7	12
3	272.2			254.1	I	1,299.6	650.3	1,282.6	1,281.6	11
4	359.2			341.2	S	1,186.5	593.8	1,169.5	1,168.5	10
5	506.3			488.3	F	1,099.5	550.3	1,082.5	1,081.5	9
6	621.3	311.1		603.3	D	952.4	476.7	935.4	934.4	8
7	735.3	368.2	718.3	717.3	N	837.4	419.2	820.4	819.4	7
8	822.4	411.7	805.3	804.4	S	723.4	362.2	706.4	705.4	6
9	879.4	440.2	862.4	861.4	G	636.3		619.3		5
10	992.5	496.7	975.4	974.5	I	579.3		562.3		4
11	1,120.5	560.8	1,103.5	1,102.5	Q	466.2		449.2		3
12	1,283.6	642.3	1,266.6	1,265.6	Y	338.2		321.2		2
13	1,457.7	729.4	1,440.7	1,439.7	R	175.1		158.1		1

beta3 peptides

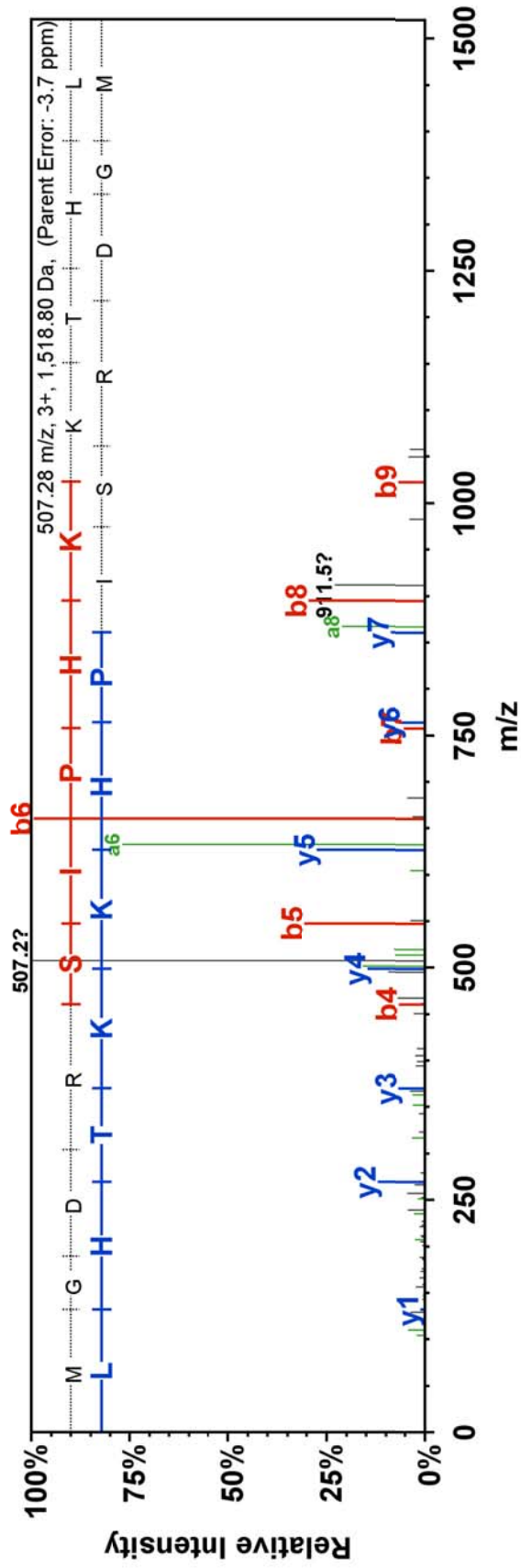
381SMPKEGHGRY390



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0			70.0	S	1,161.5	581.3	1,144.5	1,143.5	10
2	219.1			201.1	M	1,074.5	537.8	1,057.5	1,056.5	9
3	316.1			298.1	P	943.5	472.2	926.4	925.5	8
4	444.2	222.6	427.2	426.2	K	846.4	423.7	829.4	828.4	7
5	573.3	287.1	556.2	555.3	E	718.3	359.7	701.3	700.3	6
6	630.3	315.6	613.3	612.3	G	589.3	295.1	572.3		5
7	767.4	384.2	750.3	749.3	H	532.3	266.6	515.2		4
8	824.4	412.7	807.3	806.4	G	395.2		378.2		3
9	980.5	490.7	963.4	962.5	R	338.2		321.2		2
10	1,161.5	581.3	1,144.5	1,143.5	Y	182.1				1

beta3 peptides

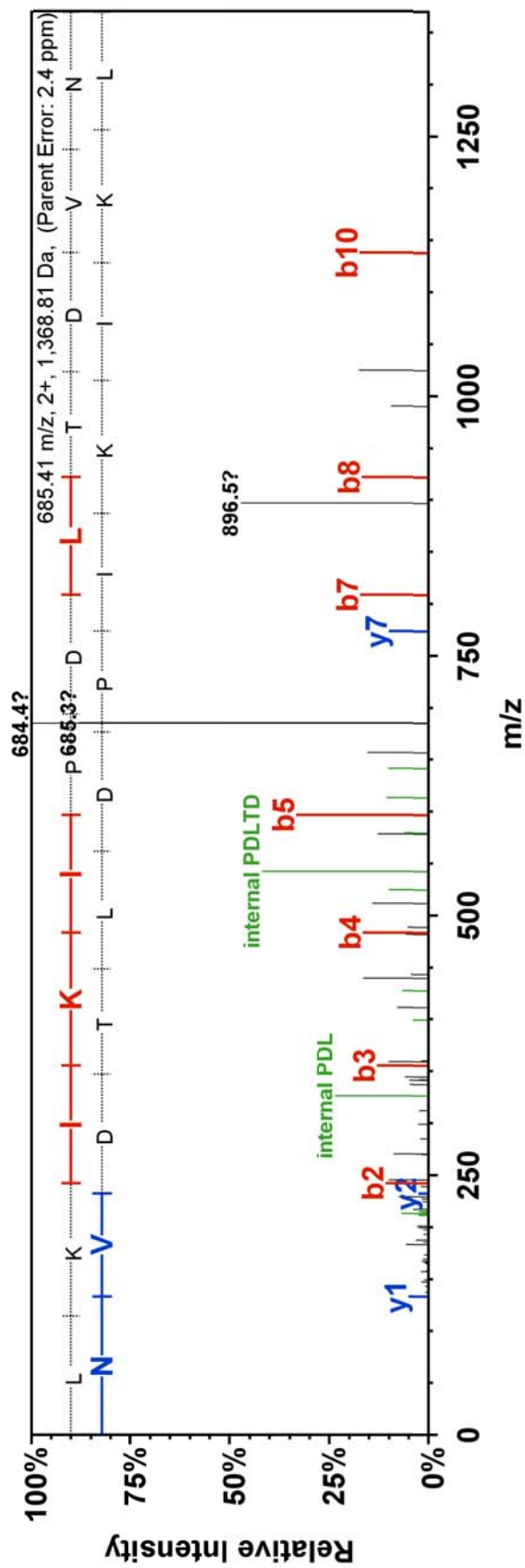
391MGDRSIPHKKTHL403



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	132.0	66.5			M	1,519.8	760.4	1,502.8	1,501.8	13
2	189.1	95.0			G	1,388.8	694.9	1,371.7	1,370.8	12
3	304.1	152.6		286.1	D	1,331.8	666.4	1,314.7	1,313.7	11
4	460.2	230.6	443.2	442.2	R	1,216.7	608.9	1,199.7	1,198.7	10
5	547.2	274.1	530.2	529.2	S	1,060.6	530.8	1,043.6	1,042.6	9
6	660.3	330.7	643.3	642.3	I	973.6	487.3	956.6	955.6	8
7	757.4	379.2	740.3	739.4	P	860.5	430.8	843.5	842.5	7
8	894.4	447.7	877.4	876.4	H	763.5	382.2	746.4	745.4	6
9	1,022.5	511.8	1,005.5	1,004.5	K	626.4	313.7	609.4	608.4	5
10	1,150.6	575.8	1,133.6	1,132.6	K	498.3	249.7	481.3	480.3	4
11	1,251.7	626.3	1,234.6	1,233.7	T	370.2	185.6		352.2	3
12	1,388.7	694.9	1,371.7	1,370.7	H	269.2	135.1			2
13	1,519.8	760.4	1,502.8	1,501.8	L	132.1	66.6			1

beta3 peptides

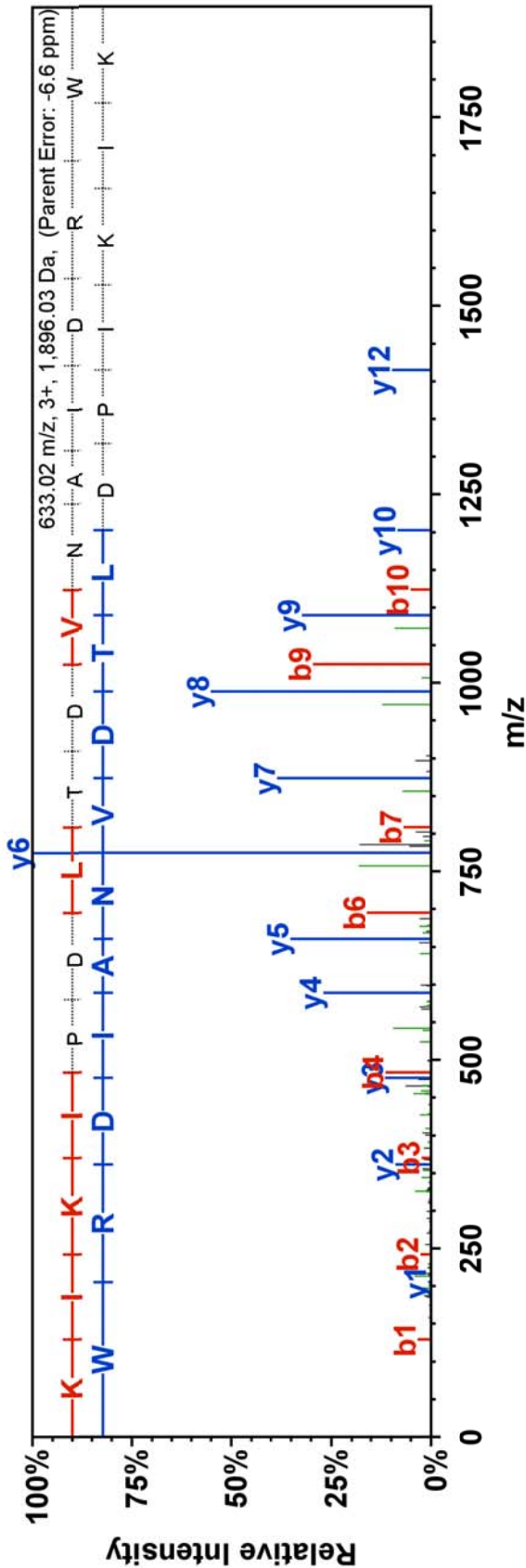
410LKIKIPDLTDVN421



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	114.1				L	1,368.8	684.9	1,351.8	1,350.8	12
2	242.2	121.6	225.2		K	1,255.7	628.4	1,238.7	1,237.7	11
3	355.3	178.1	338.2		I	1,127.6	564.3	1,110.6	1,109.6	10
4	483.4	242.2	466.3		K	1,014.5	507.8	997.5	996.5	9
5	596.4	298.7	579.4		I	886.5		869.4	868.4	8
6	693.5	347.3	676.5		P	773.4		756.3	755.4	7
7	808.5	404.8	791.5	790.5	D	676.3		659.3	658.3	6
8	921.6	461.3	904.6	903.6	L	561.3		544.3	543.3	5
9	1,022.7	511.8	1,005.6	1,004.7	T	448.2		431.2	430.2	4
10	1,137.7	569.3	1,120.7	1,119.7	D	347.2		330.1	329.1	3
11	1,236.8	618.9	1,219.7	1,218.7	V	232.1		215.1		2
12	1,368.8	684.9	1,351.8	1,350.8	N	133.1		116.0		1

beta3 peptides

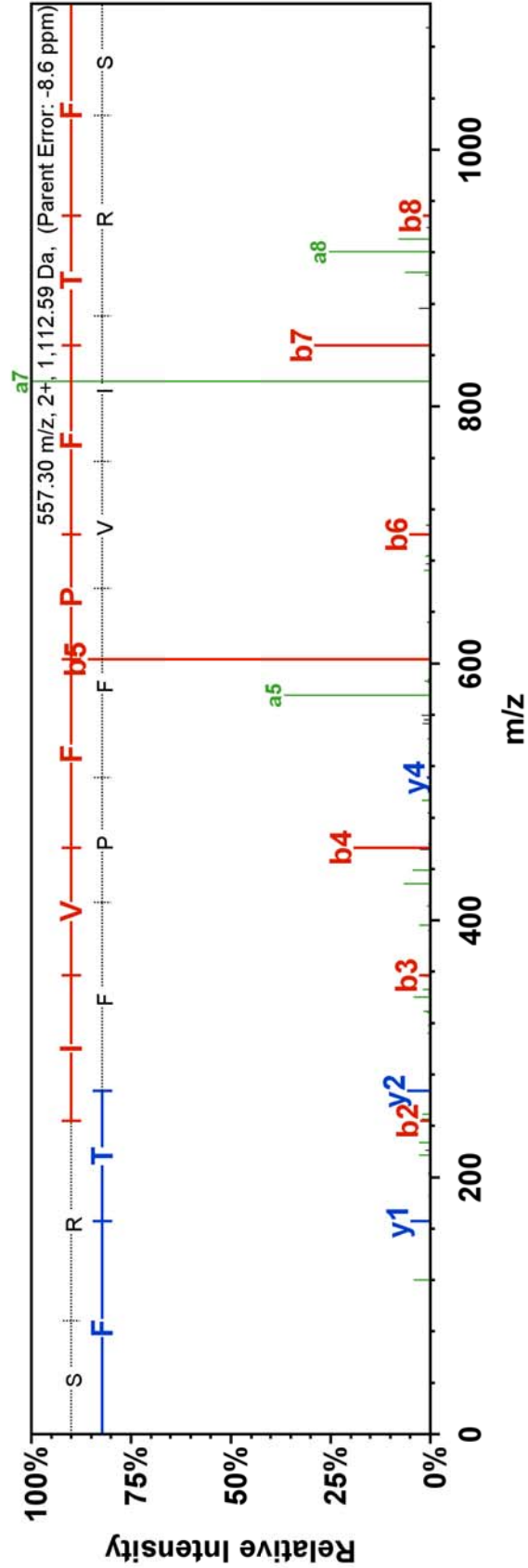
411KIKIPDLTDVNAIDRW426



B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	129.1	65.1	112.1		K	1,897.1	949.0	1,880.0	1,879.0	16
2	242.2	121.6	225.2		I	1,769.0	885.0	1,751.9	1,750.9	15
3	370.3	185.6	353.3		K	1,655.9	828.4	1,638.8	1,637.9	14
4	483.4	242.2	466.3		I	1,527.8	764.4	1,510.8	1,509.8	13
5	580.4	290.7	563.4		P	1,414.7	707.9	1,397.7	1,396.7	12
6	695.4	348.2	678.4	677.4	D	1,317.6	659.3	1,300.6	1,299.6	11
7	808.5	404.8	791.5	790.5	L	1,202.6	601.8	1,185.6	1,184.6	10
8	909.6	455.3	892.6	891.6	T	1,089.5	545.3	1,072.5	1,071.5	9
9	1,024.6	512.8	1,007.6	1,006.6	D	988.5	494.7	971.5	970.5	8
10	1,123.7	562.3	1,106.6	1,105.7	V	873.5	437.2	856.4	855.4	7
11	1,237.7	619.4	1,220.7	1,219.7	N	774.4	387.7	757.4	756.4	6
12	1,308.8	654.9	1,291.7	1,290.7	A	660.3	330.7	643.3	642.3	5
13	1,421.8	711.4	1,404.8	1,403.8	I	589.3	295.2	572.3	571.3	4
14	1,536.9	768.9	1,519.8	1,518.9	D	476.2	238.6	459.2	458.2	3
15	1,693.0	847.0	1,675.9	1,675.0	R	361.2	181.1	344.2		2
16	1,897.1	949.0	1,880.0	1,879.0	W	205.1	103.1			1

beta3 peptides

427SRIVFPFTF435

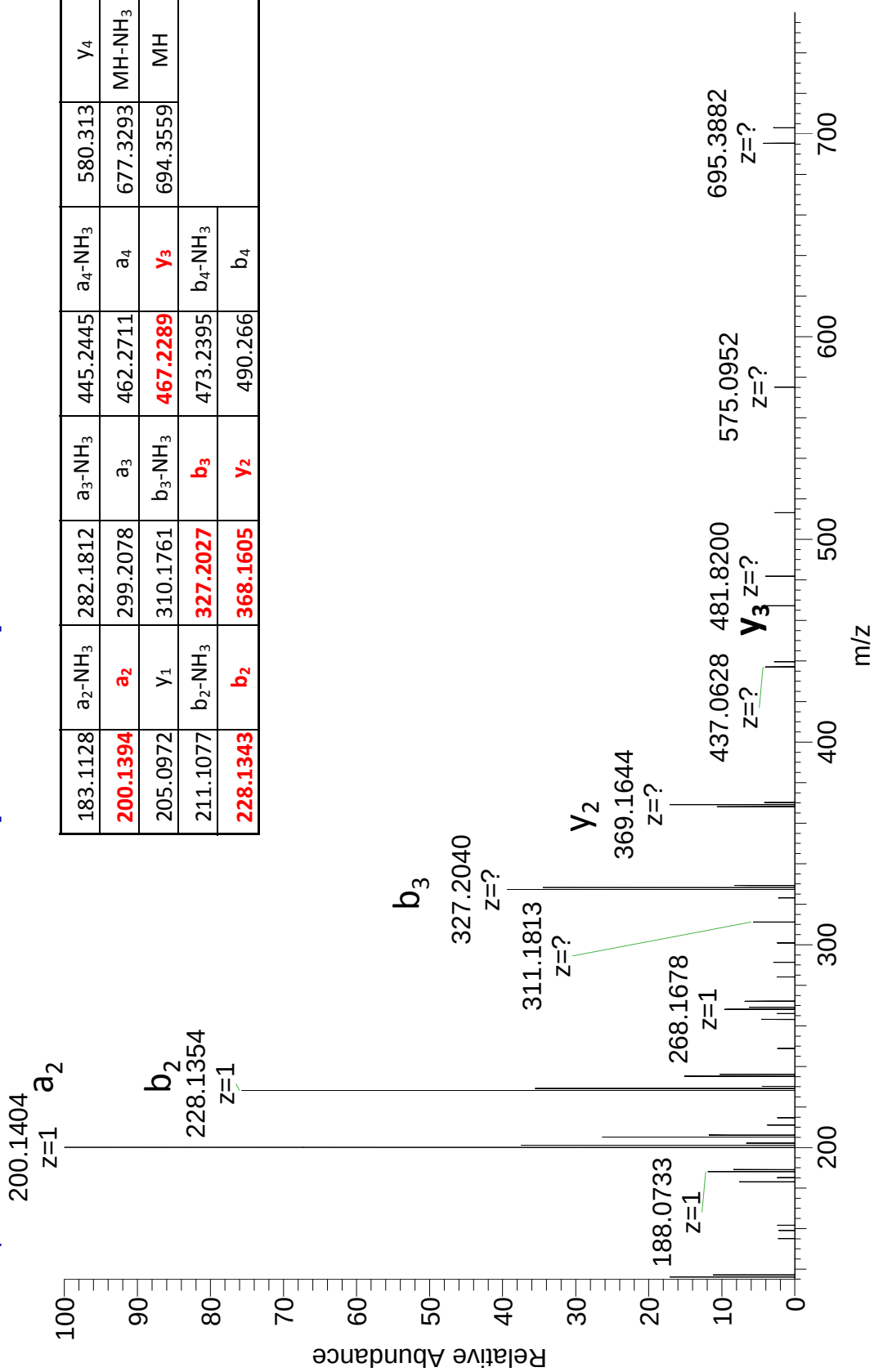


B	B Ions	B+2H	B-NH3	B-H2O	AA	Y Ions	Y+2H	Y-NH3	Y-H2O	Y
1	88.0			70.0	S	1,113.6	557.3	1,096.6	1,095.6	9
2	244.1	122.6	227.1	226.1	R	1,026.6	513.8	1,009.6	1,008.6	8
3	357.2	179.1	340.2	339.2	I	870.5			852.5	7
4	456.3	228.7	439.3	438.3	V	757.4			739.4	6
5	603.4	302.2	586.3	585.4	F	658.3			640.3	5
6	700.4	350.7	683.4	682.4	P	511.3			493.2	4
7	847.5	424.2	830.5	829.5	F	414.2			396.2	3
8	948.5	474.8	931.5	930.5	T	267.1			249.1	2
9	1,113.6	557.3	1,096.6	1,095.6	F	166.1				1

beta3 peptides

439NLVYW443

Evers_209_2988_291_03 #7782 RT: 61.90 AV: 1 NL: 6.42E3
T: FTMS + p NSI d Full ms2 696.33@hcd35.00 [135.00-1405.00]



beta3 peptides