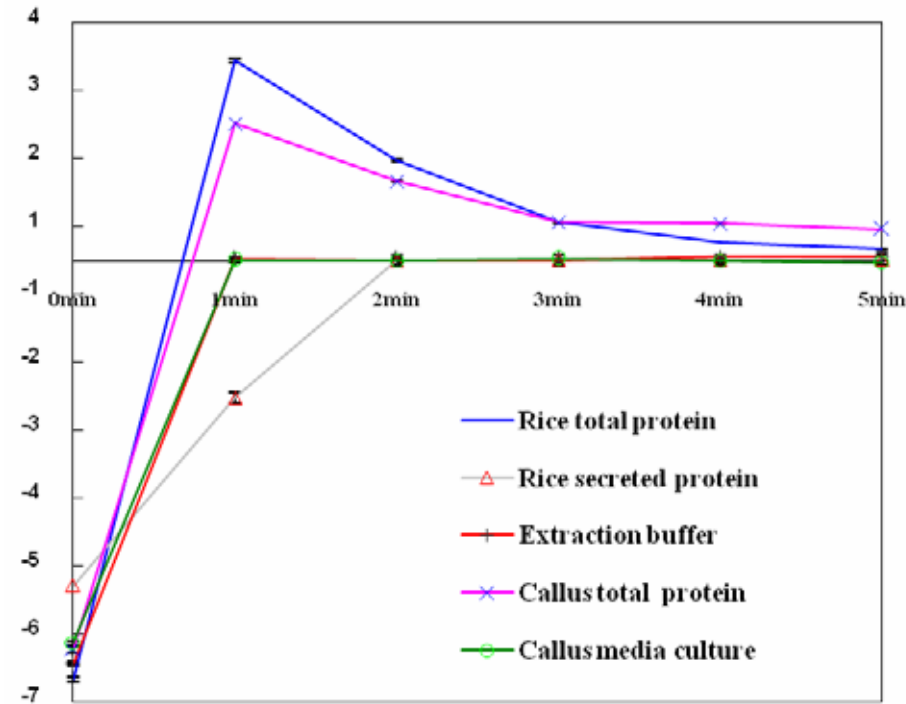


**Supplementary Figure 1**  
**Jung et al.**



**Table 1. Malate dehydrogenase activities were determined during the first 1minute after reaction. (nmol mg protein<sup>-1</sup> min<sup>-1</sup>)**

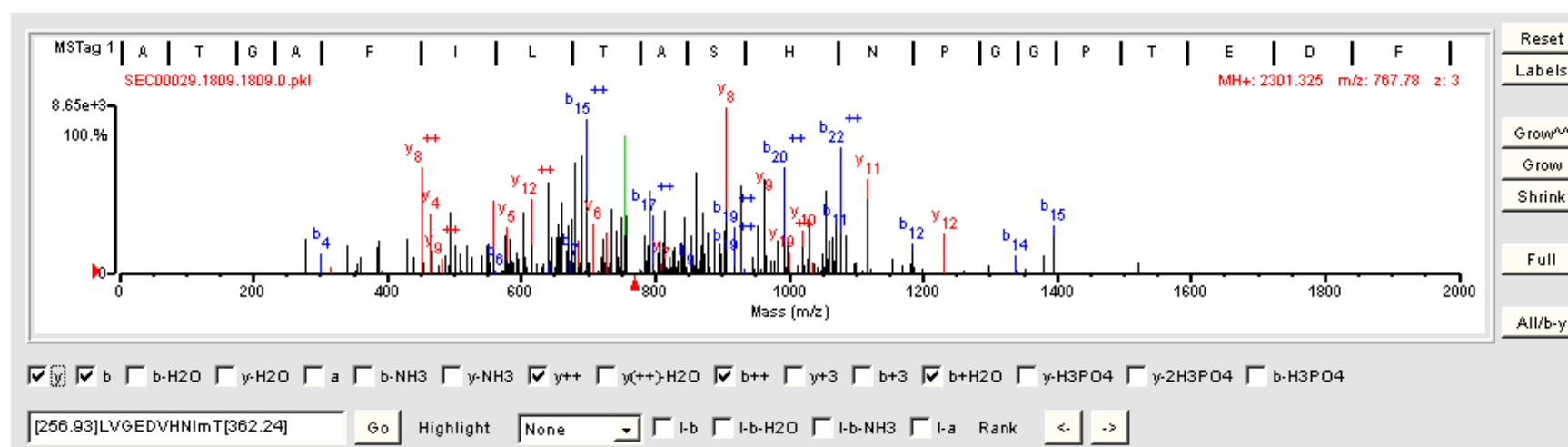
Material Fraction	MDH activity
Rice soluble protein	2.94±0.03
Rice secreted protein	0.00±0.07
Callus soluble protein	2.02±0.01
Callus secreted protein	0.01±0.03
Extraction buffer	0.01±0.02

# Supplementary Figure 2 Jung et al.

Spot number ; 20

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00029.1809.1809.0	3	17.79	87.1	6.39e+006	(K)A T/G A F/I L/T A S H N/P G/G P T E/D F/G I\K(Y)

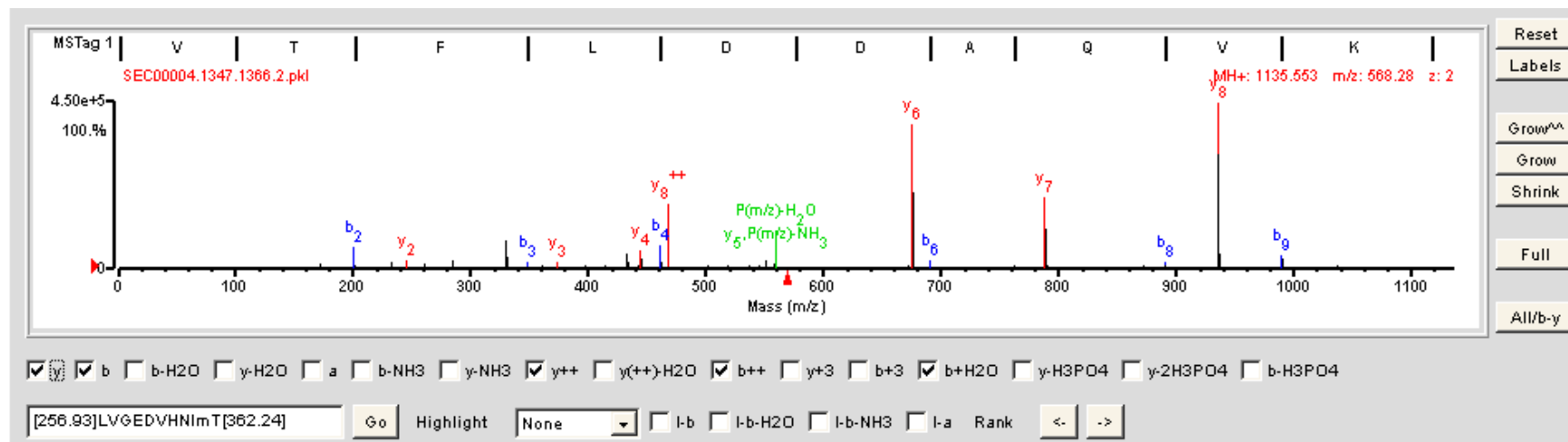
m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pI	Protein MW (Da)	Accession #	Protein Name
767.78	2301.151	0.1745	75.8	5.32	62949.5	115454931	Os03g0712700



## Spot number ; 114

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00004.1347.1366.2	2	17.39	96.9	3.27e+007	(K)V/T F L D D A Q V\K(K)

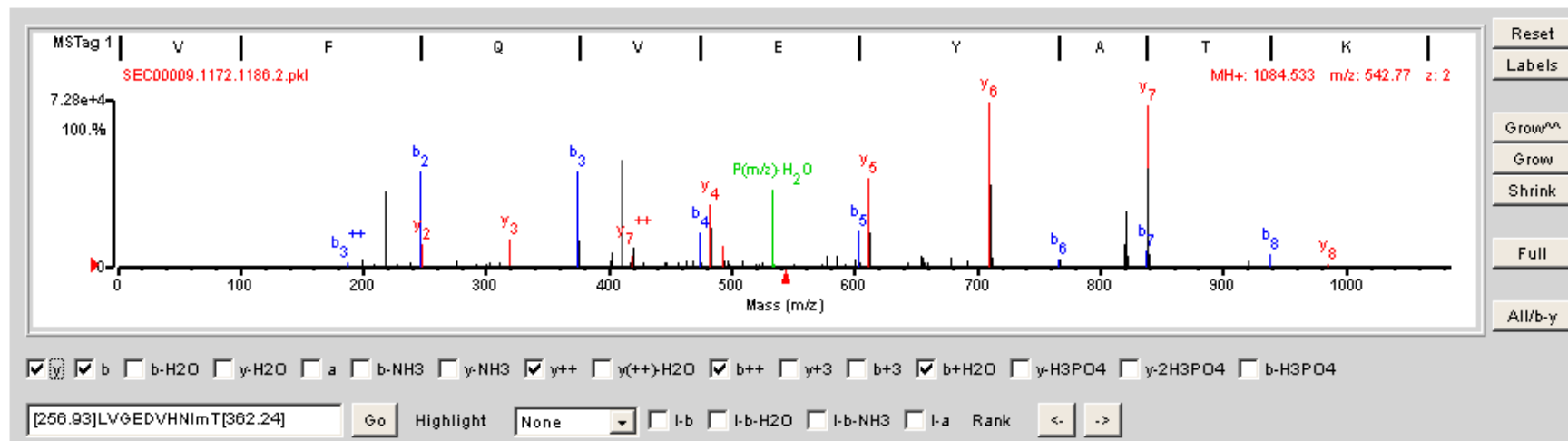
m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pI	Protein MW (Da)	Accession #	Protein Name
568.28	1135.599	-0.0466	-41.0	4.21	21861.3	115476760	Os08g0460000



## Spot number ; 123

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00009.1172.1186.2	2	16.06	96.7	6.28e+006	(R)V/F Q V E Y A T K(A)

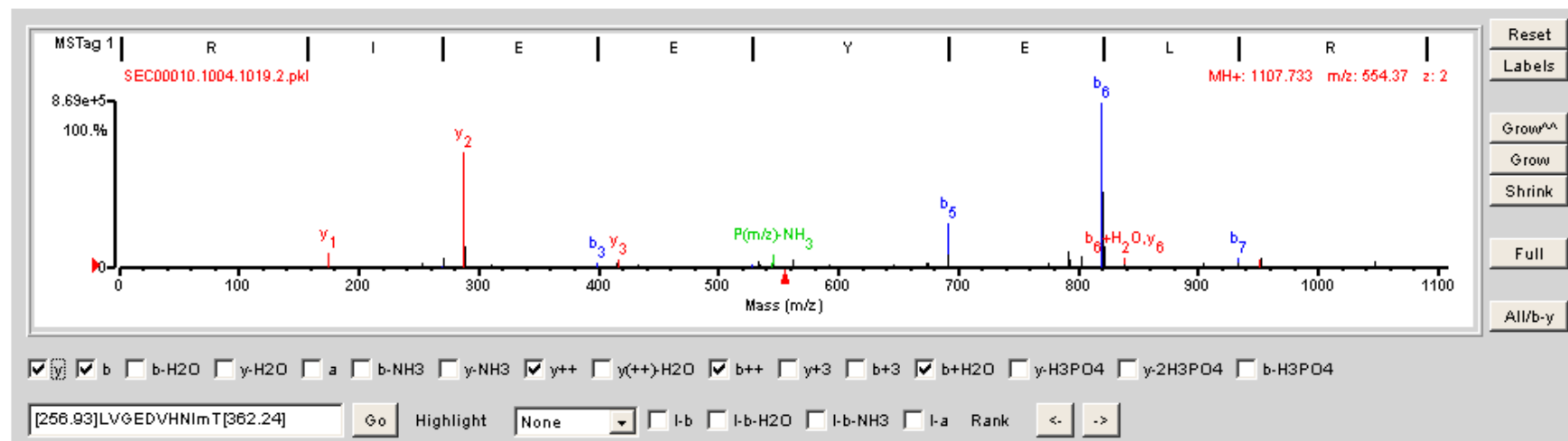
m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pI	Protein MW (Da)	Accession #	Protein Name
542.77	1084.567	-0.0346	-31.9	5.97	27238.2	115440617	Os01g0811100



## Spot number ; 124

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00010.1004.1019.2	2	14.13	95.3	1.68e+007	(R)R I/E\E\Y E L R(R)

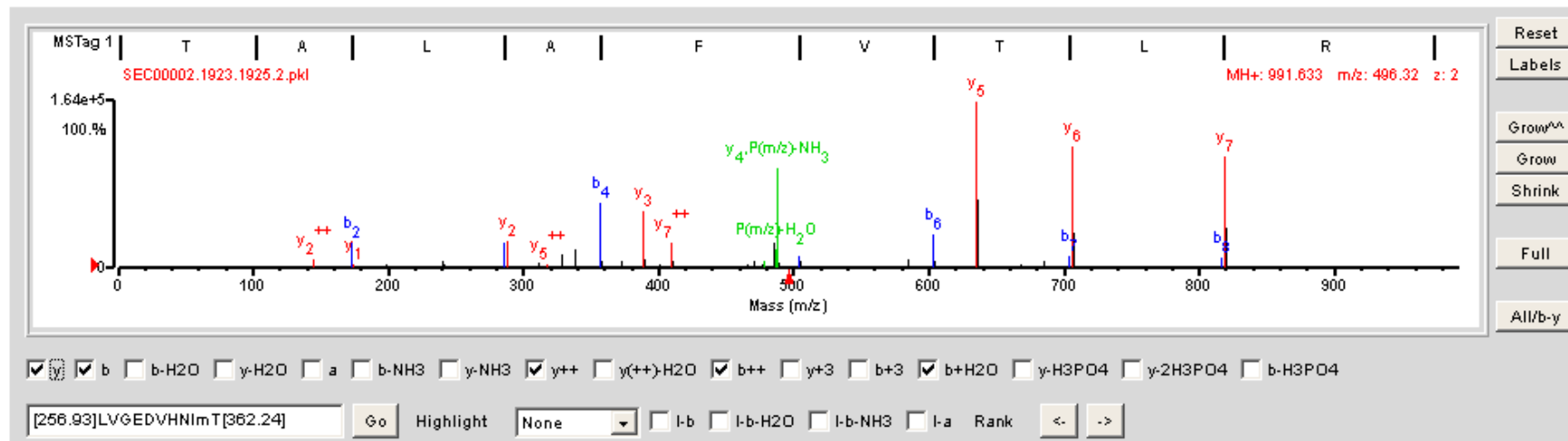
m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pI	Protein MW (Da)	Accession #	Protein Name
554.37	1107.579	0.1534	138.5	4.79	30579.6	77553334	hypothetical protein LOC_Os12g10480



## Spot number ; 146

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00002.1923.1925.2	2	16.67	98.0	1.11e+007	(R)T A L A F V T L R(G)

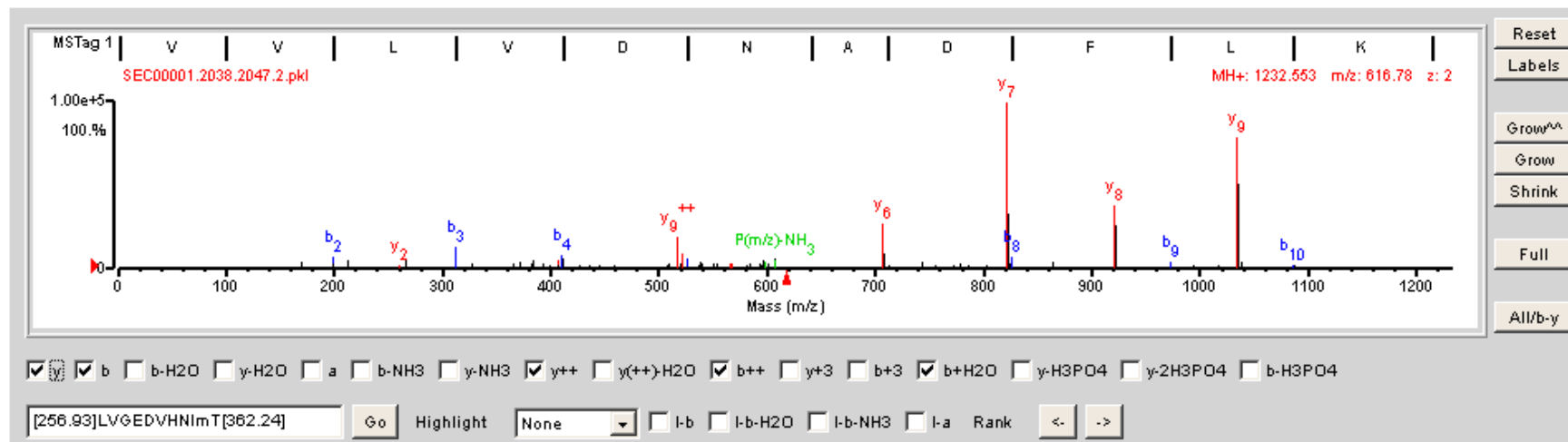
m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pl	Protein MW (Da)	Accession #	Protein Name
496.32	991.593	0.0392	39.5	9.41	37028.6	15242193	pfkB-type carbohydrate kinase family protein



## Spot number ; 166

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00001.2038.2047.2	2	15.71	92.8	6.37e+006	(K)V/V L V D N/A/D F L\K(E)

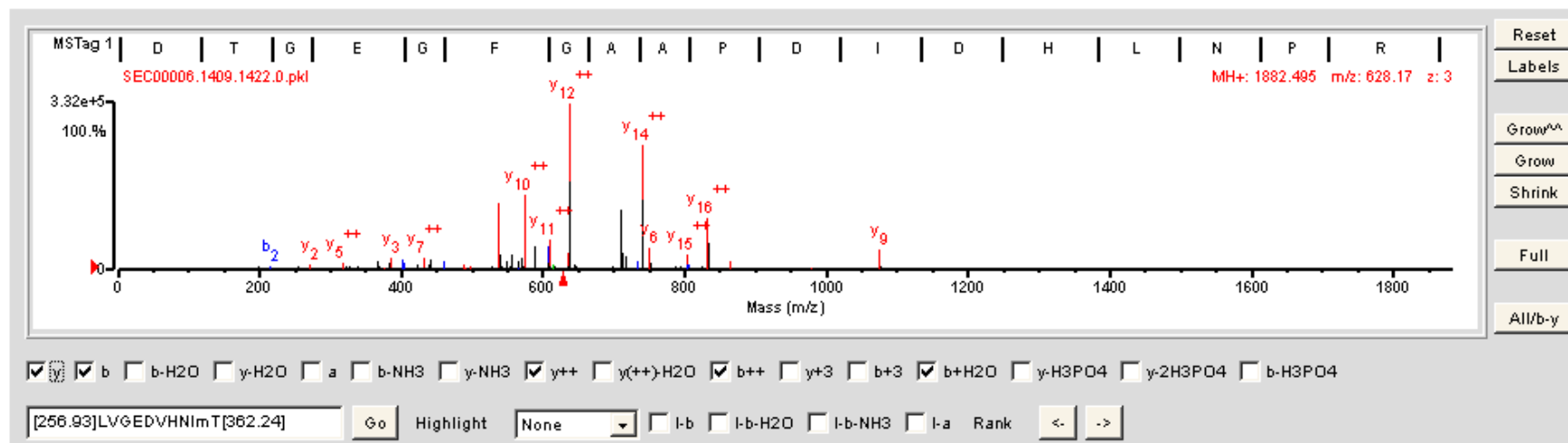
m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pI	Protein MW (Da)	Accession #	Protein Name
616.78	1232.689	-0.1358	-110.2	4.21	32539.6	16580747	glyoxalase I



## Spot number ; 172

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC000006.1409.1422.0	3	19.88	97.4	1.49e+007	(R)D T/G/E/G/F/G/A/A/P D/I/D/H L N P R(V)

m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pl	Protein MW (Da)	Accession #	Protein Name
628.17	1881.873	0.6229	331.0	4.22	47925.5	11263717	alpha-amylase

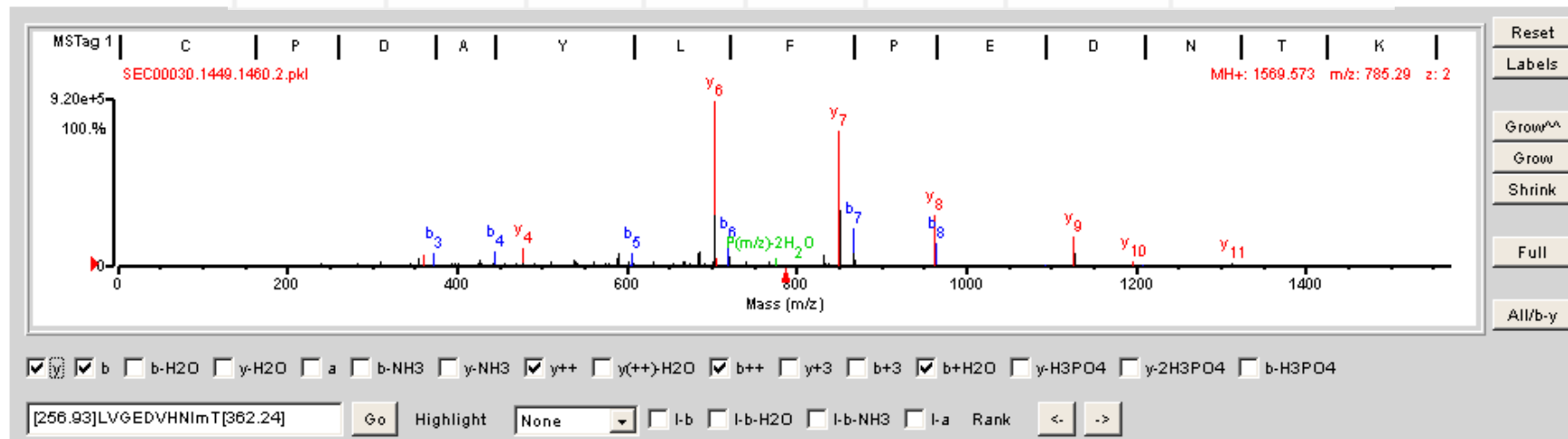




## Spot number ; 184

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00030.1449.1460.2	2	14.52	88.9	2.71e+007	(R)C P/D A Y L F P E/D/N T K(T)

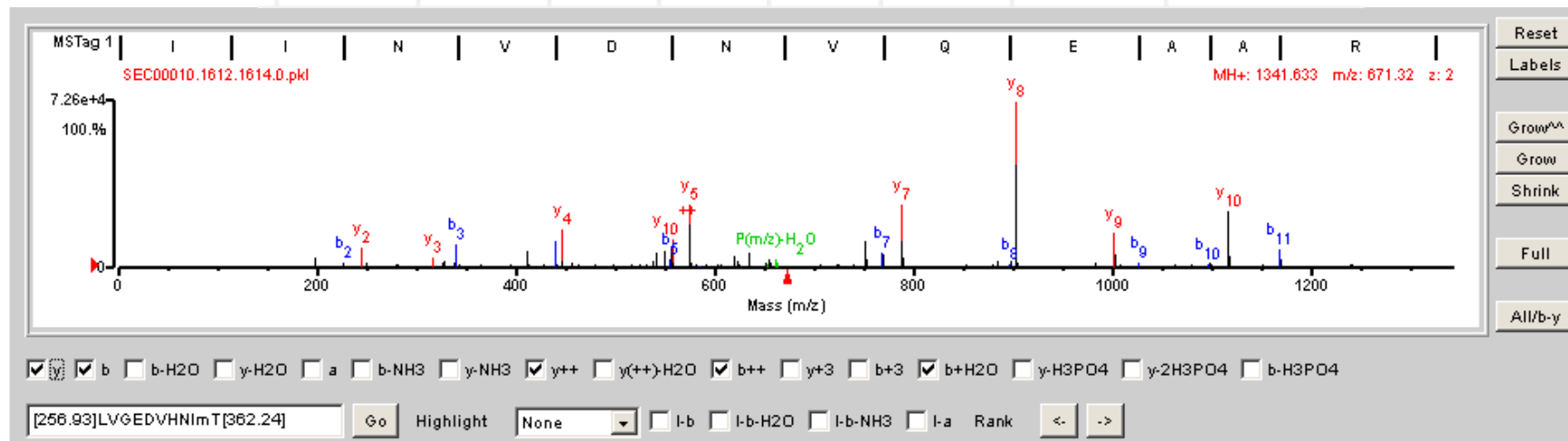
m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pI	Protein MW (Da)	Accession #	Protein Name
785.29	1569.689	-0.1163	-74.1	4.03	17992.2	115489688	Os12g0628600



## Spot number ; 188

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00010.1612.1614.0	2	17.76	94.1	8.32e+006	(K)I I N V D N V Q E A A R(E)

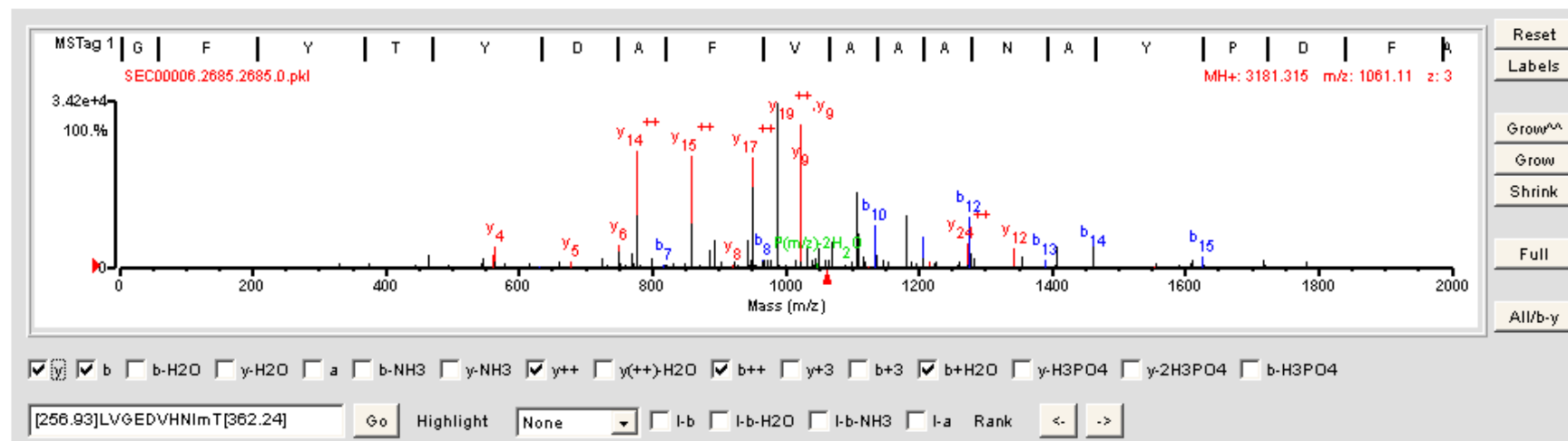
m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pl	Protein MW (Da)	Accession #	Protein Name
671.32	1341.712	-0.0794	-59.2	4.37	52950.7	115476014	Os08g0345800



## Spot number ; C4

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00006.2685.2685.0	3	17.09	94.2	2.29e+006	(K)G F Y/T Y/D A/F/V A A A N/A Y/P D/F A T/T G D/A D/T C K R(E)

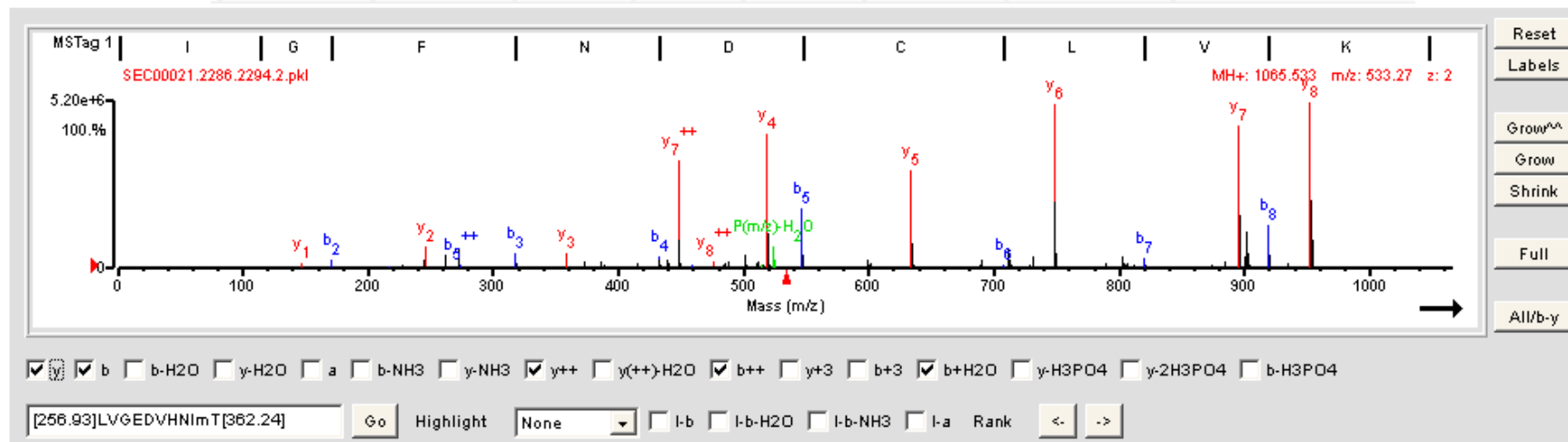
m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pI	Protein MW (Da)	Accession #	Protein Name
1061.11	3179.405	1.9103	600.8	4.14	33681.6	115470054	Os06g0726100



## Spot number ; C24

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00021.2286.2294.2	2	14.95	91.4	1.84e+008	(R)I/G/F N D C/L V\K(G)

m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pl	Protein MW (Da)	Accession #	Protein Name
533.27	1065.540	-0.0070	-6.6	5.83	21738.9	20270065	Unknown protein



## Spot number ; C25

Filename	z	Score	SPI (%)	Spectrum Intensity	Sequence Map
SEC00016.1493.1495.2	2	14.80	84.9	1.57e+007	(K)Y/G V T E S T/L L\T R(N)

m/z Measured (Da)	MH <sup>+</sup> Matched (Da)	MH <sup>+</sup> Error (Da)	MH <sup>+</sup> Error (ppm)	Peptide pI	Protein MW (Da)	Accession #	Protein Name
620.38	1239.658	0.0948	76.5	6.00	37200.6	115450549	Os03g0133400

