

Supplemental Material to

“Protein Targets of Reactive Electrophiles in Human Liver Microsomes”

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Figures S1-S2. Subcellular organelle and functional annotations of IAB and BMCC adducted protein targets.

Figures S3-S16. Representative MS-MS spectra of IAB and BMCC cysteinyl peptide adducts.

Figure S17. MS-MS of GS-conjugate of NAPQI from microsomal metabolism of acetaminophen.

Figure S1

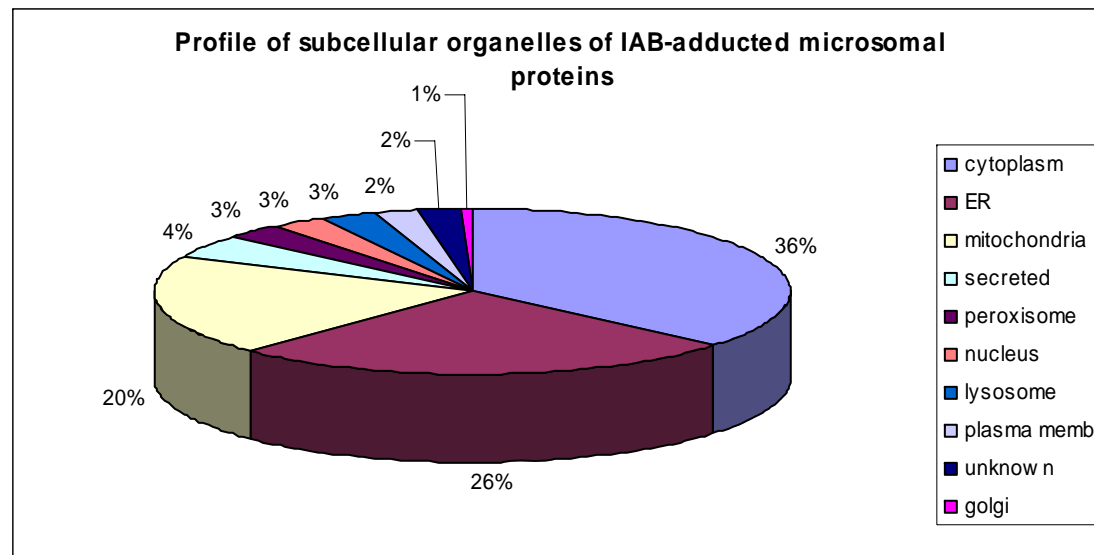
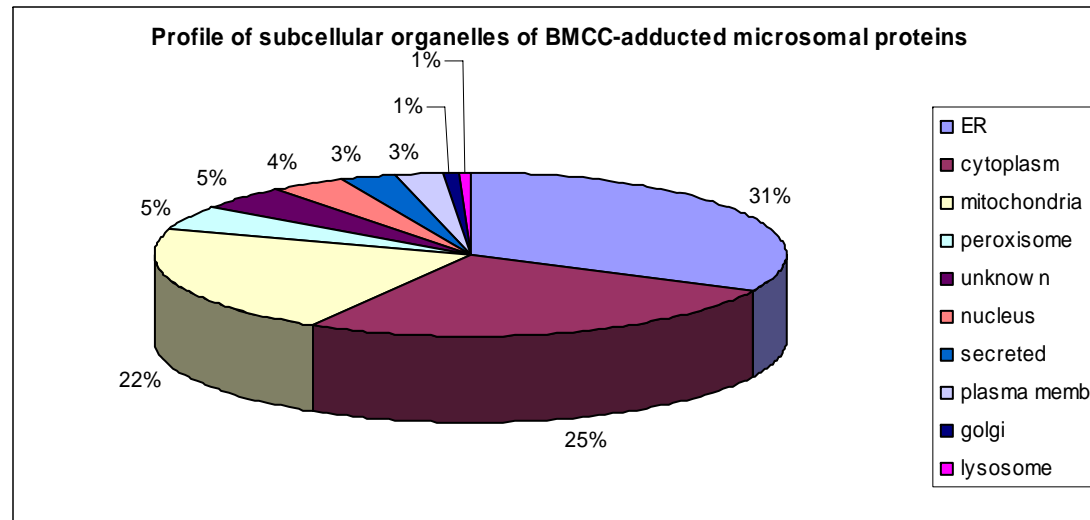


Figure S2

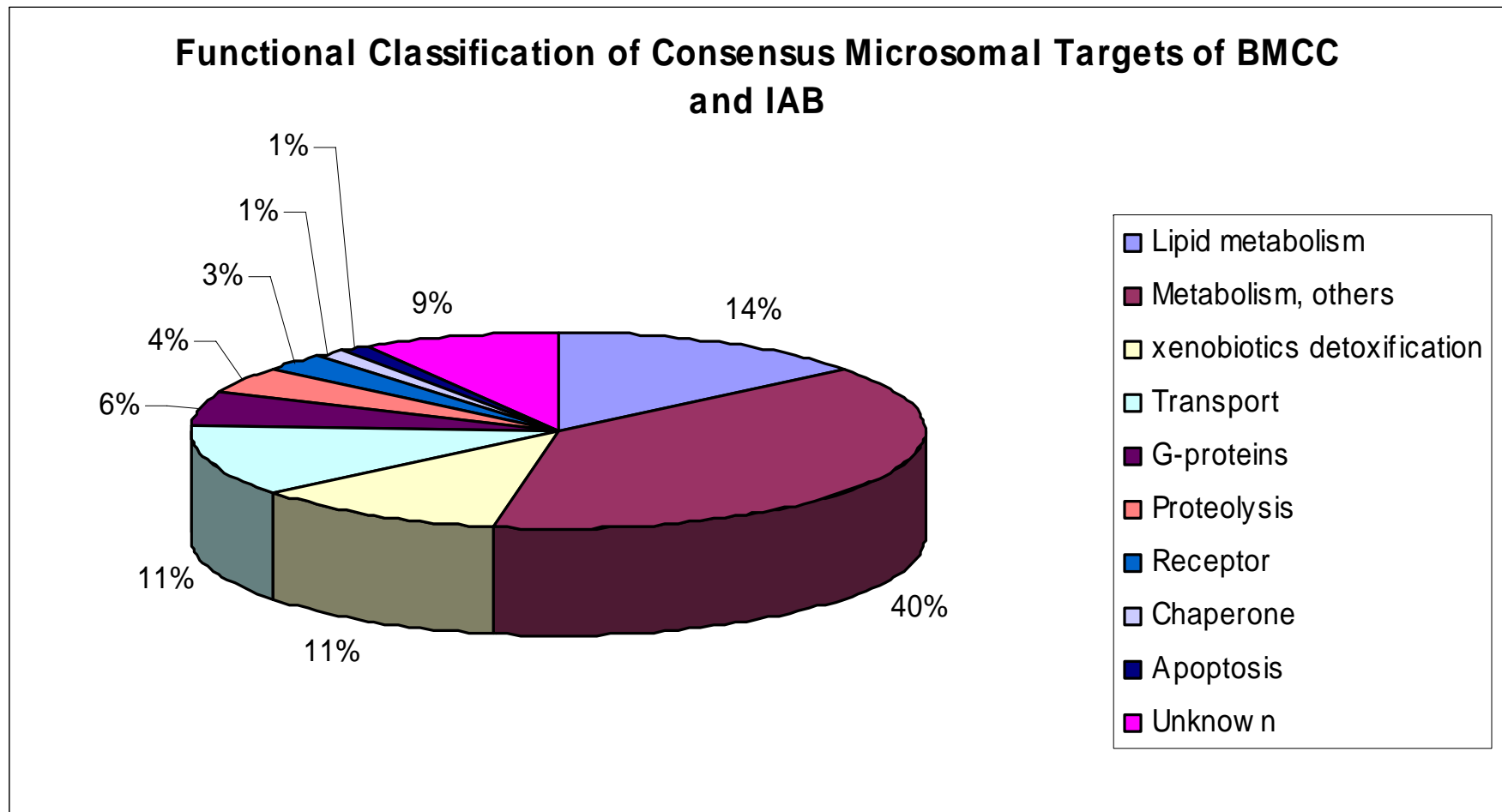


Figure S3

Microsomal GST1 (Cys50-BMCC), Xcorr:3.71(+2)

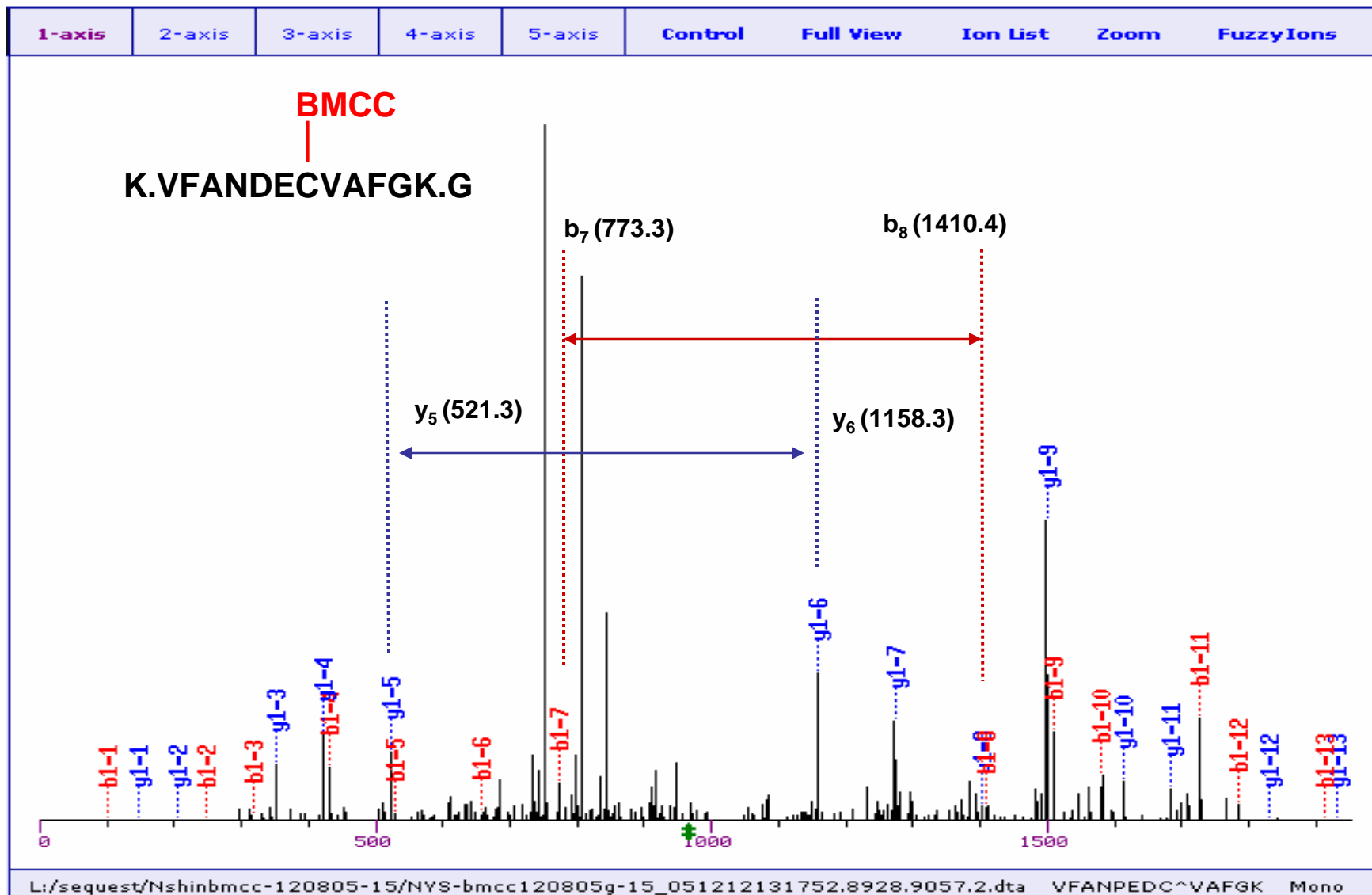


Figure S4

Oxidoreductase (Cys177-IAB), Xcorr: 3.51(+2)

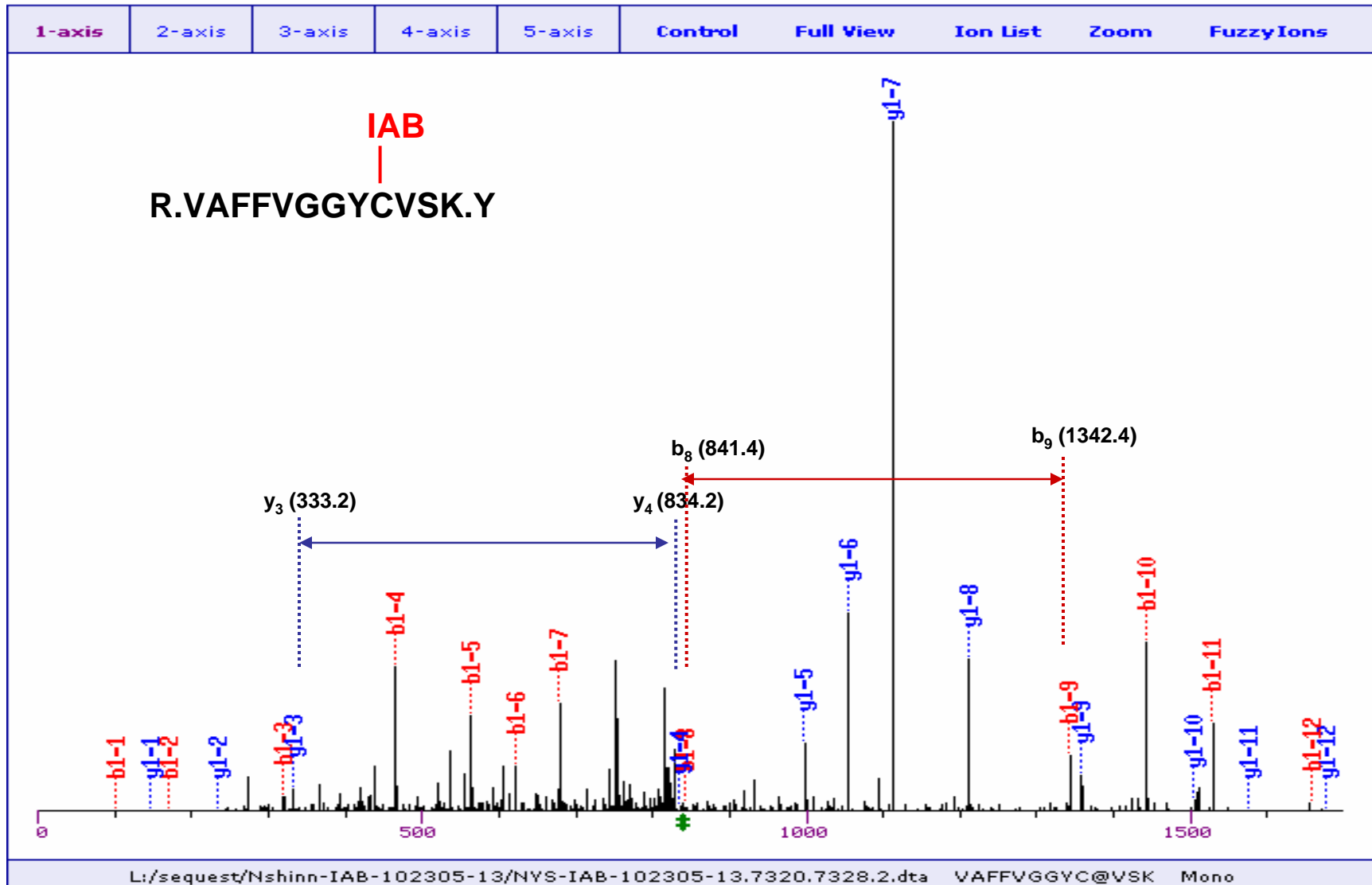


Figure S5

UDP-glucuronosyltransferase 1-4 precursor-BMCC, Xcorr 4.34

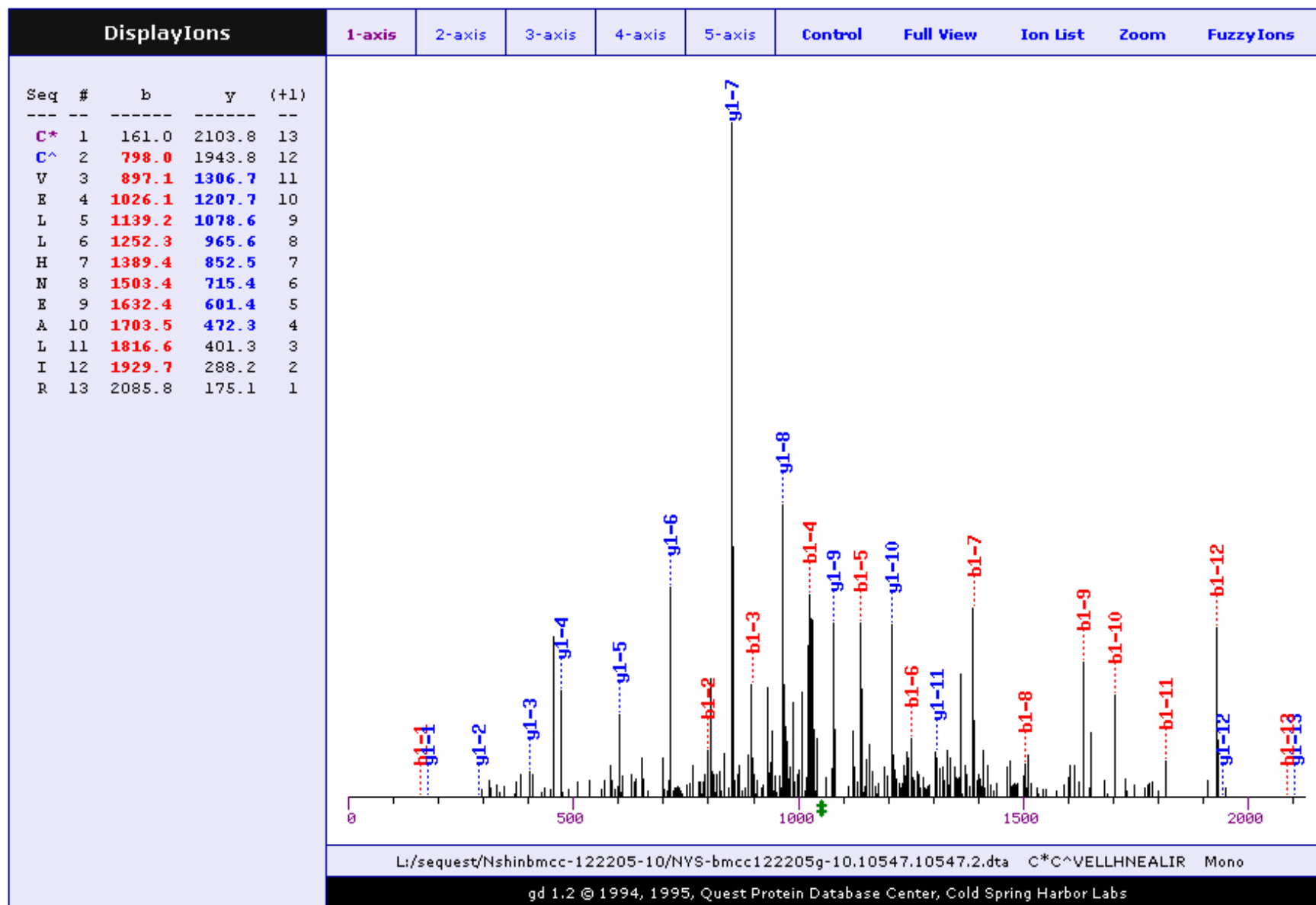


Figure S6
Voltage-dependent anion channel 1-BMCC, xcorr 3.68

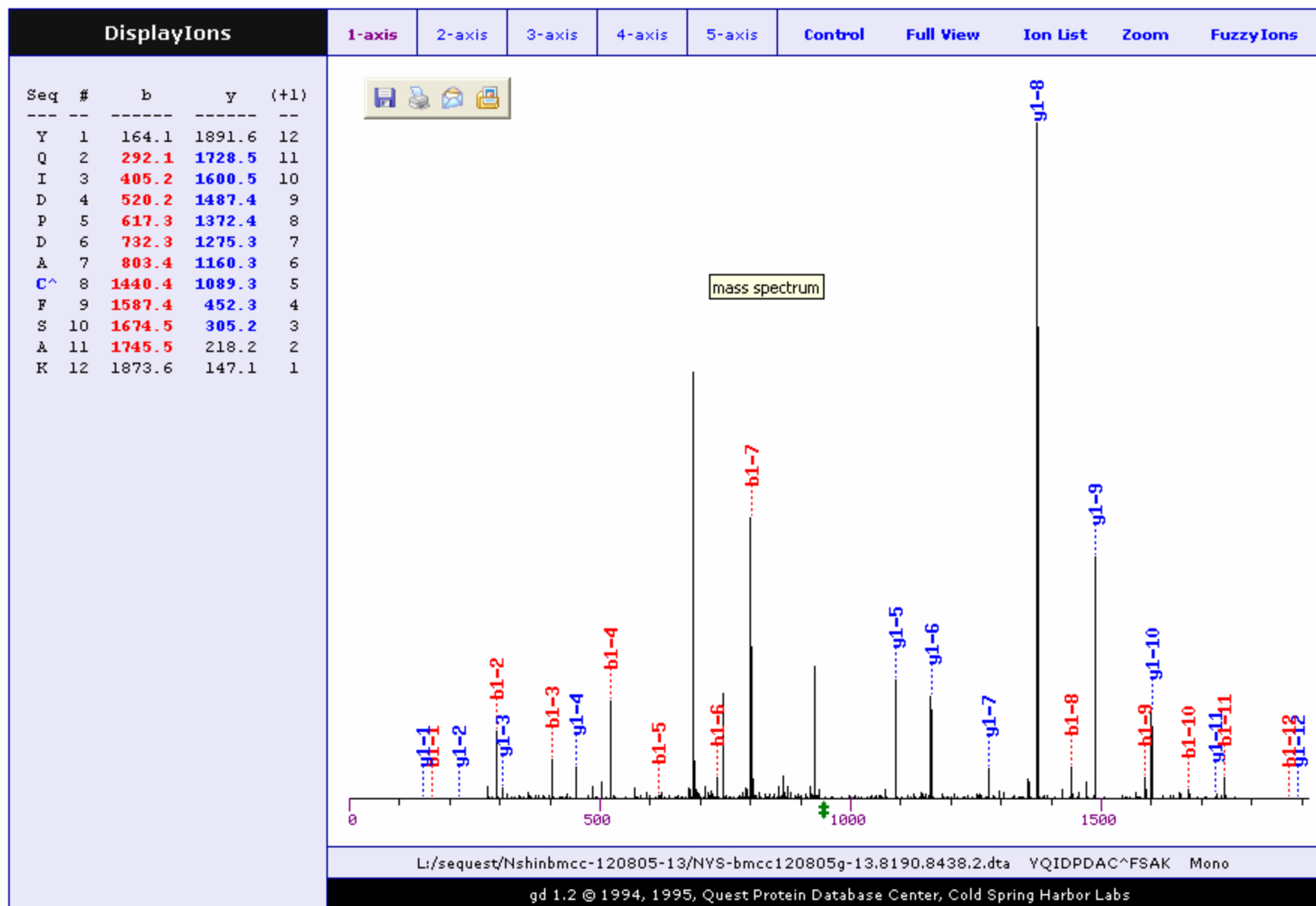


Figure S7

Calreticulin precursor-BMCC, Xcorr 5.1

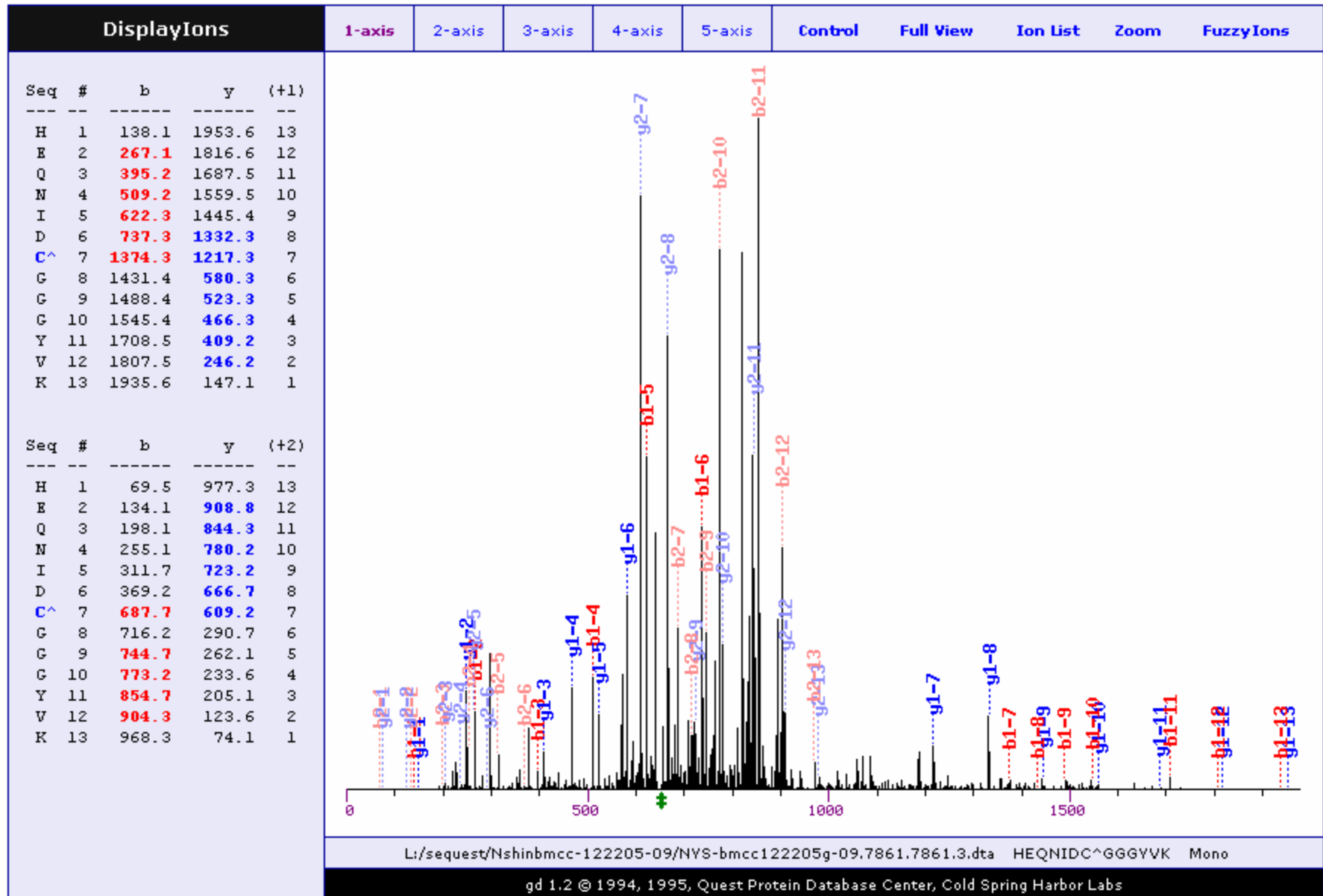


Figure S8

Flavin containing monooxygenase 5 variant-BMCC, Xcorr 4.82

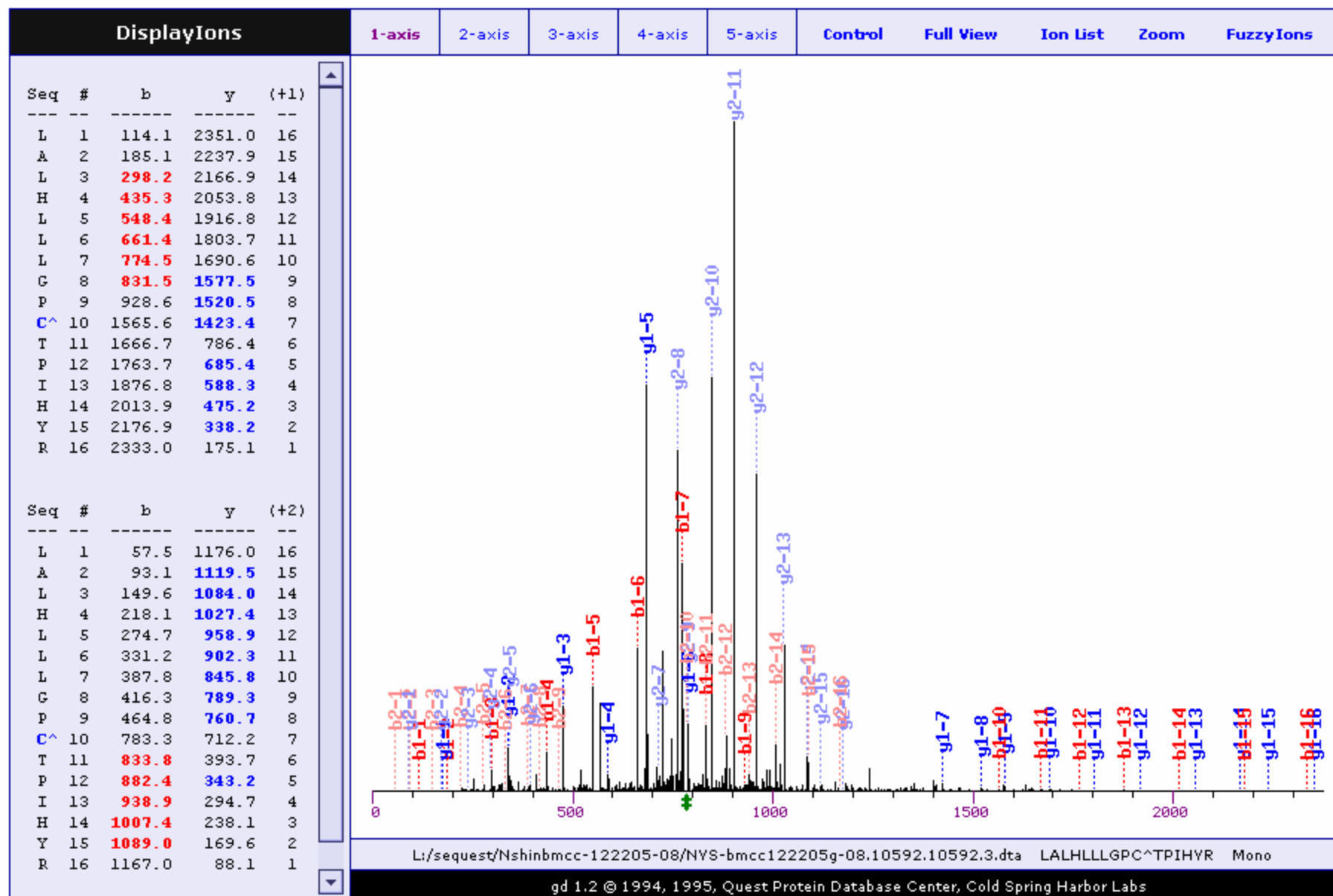


Figure S9

Long-chain-fatty-acid--CoA ligase 5-BMCC, Xcorr 4.54

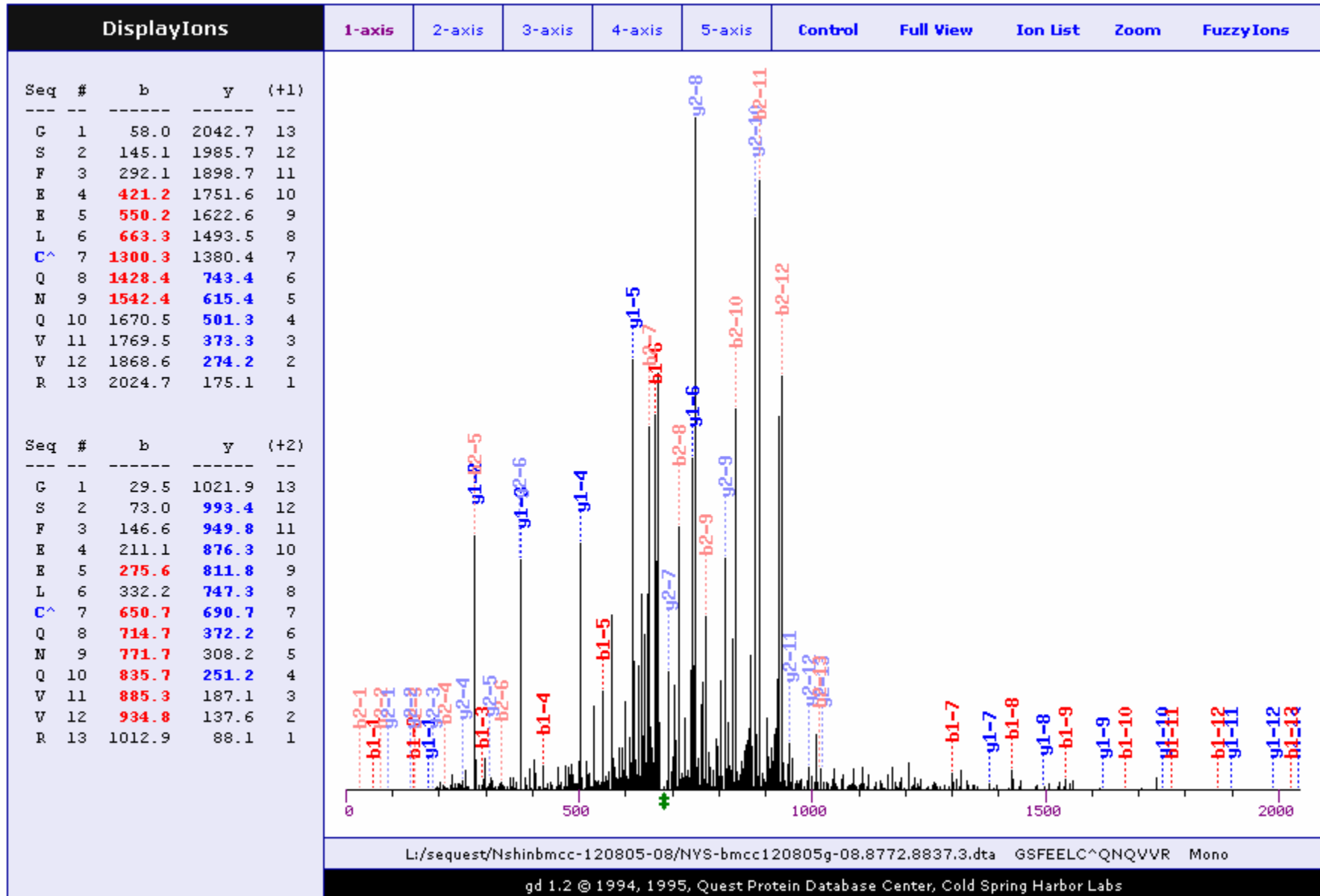


Figure S10

Sarcoplasmic/endoplasmic reticulum calcium ATPase 2-BMCC, Xcorr 4.17

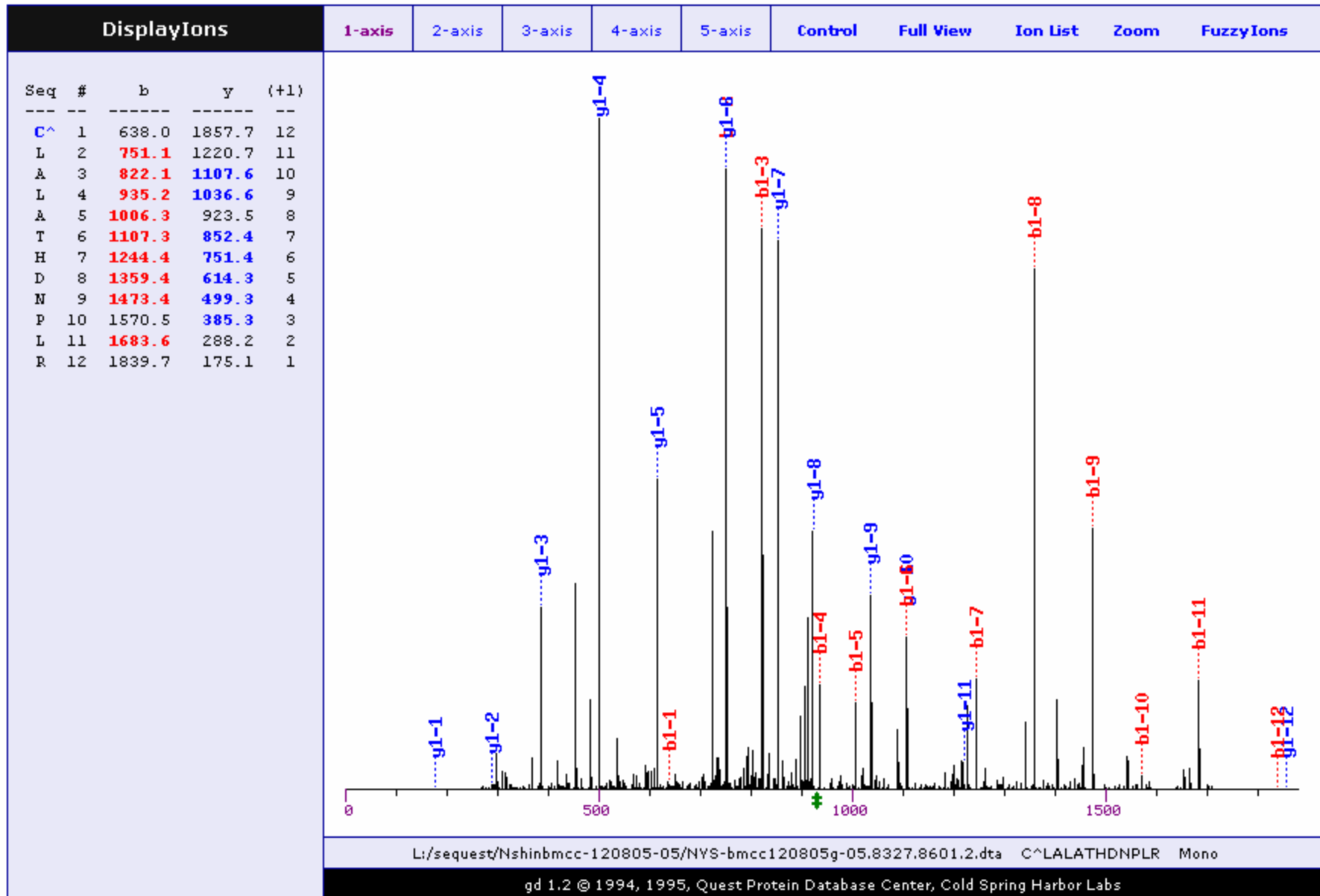


Figure S11

Calreticulin precursor-IAB, Xcorr 4.27

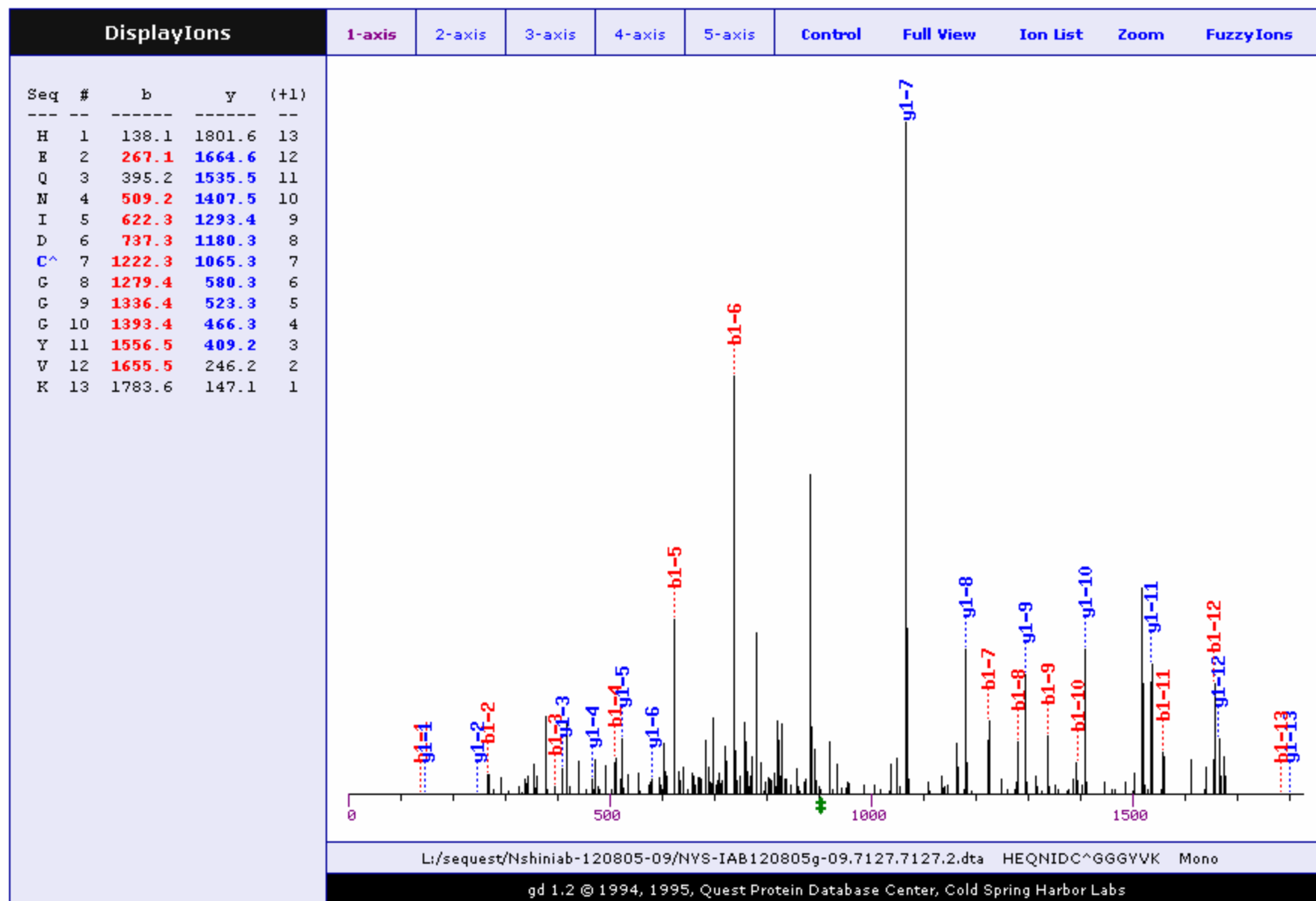


Figure S12

Cytochrome P450 2C9-IAB, Xcorr 3.1

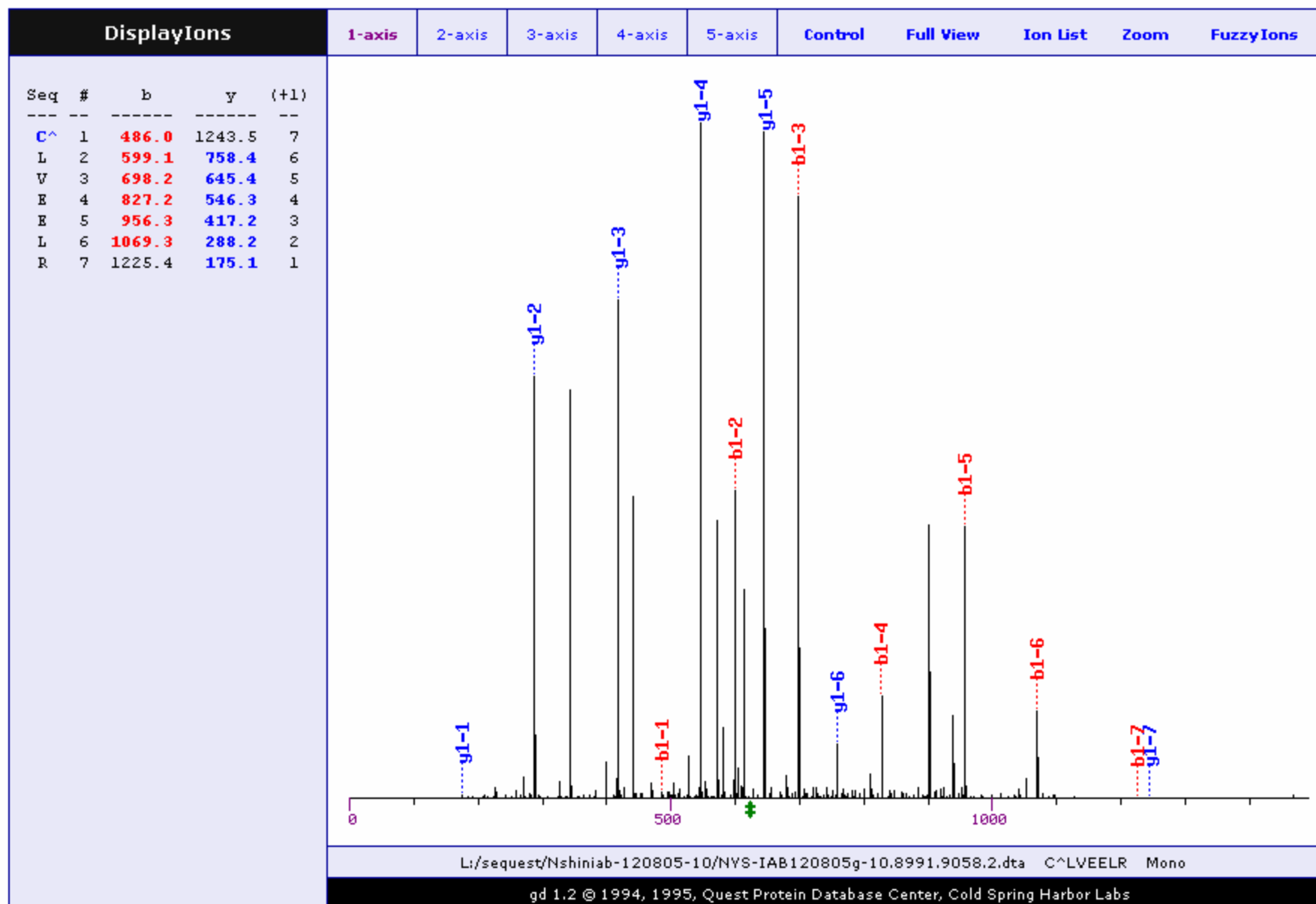


Figure S13

Dolichyl-diphosphooligosaccharide--protein glycosyltransferase-IAB, Xcroo 3.76

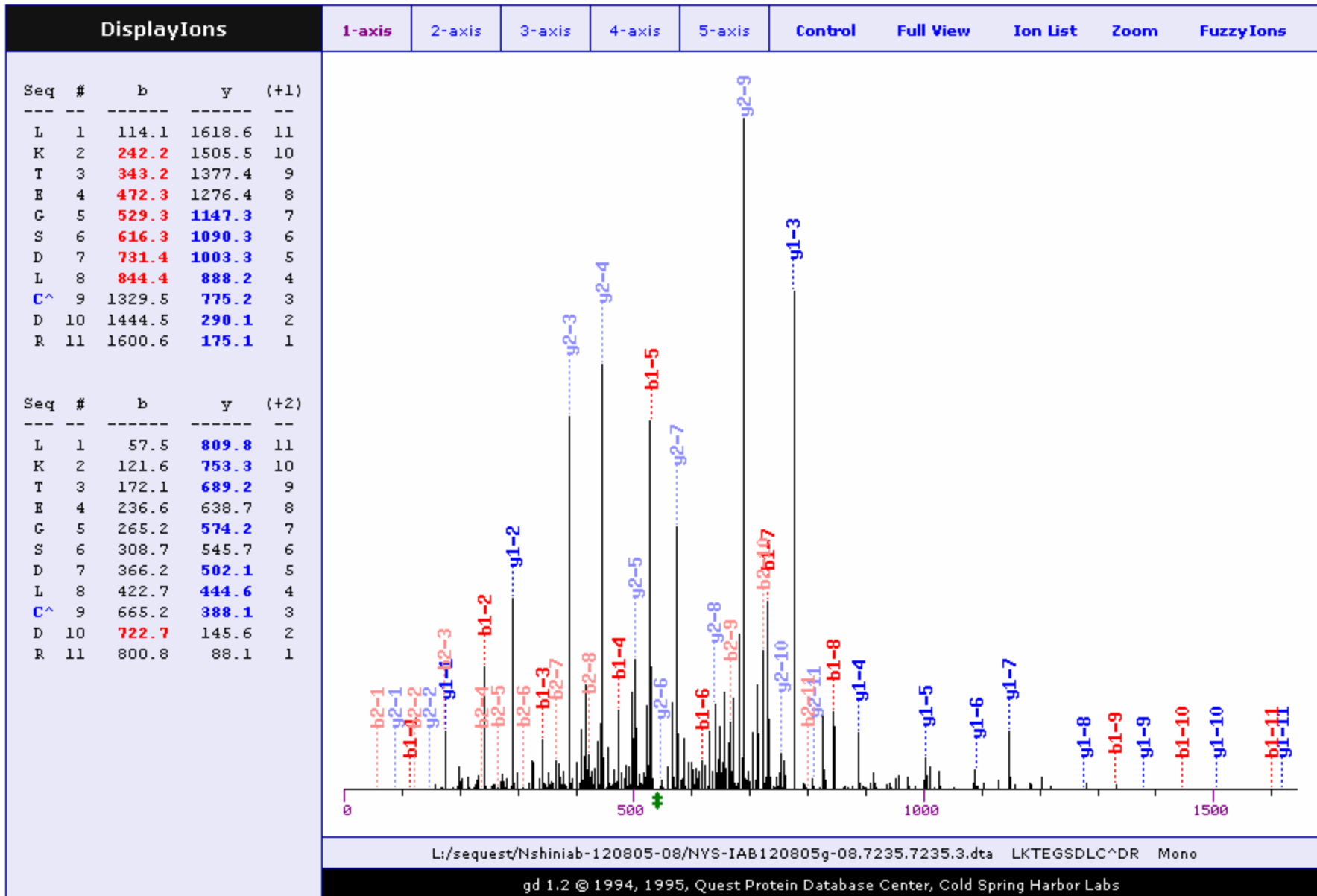


Figure S14

Microsomal glutathione S-transferase 1-IAB, Xcorr 4.77

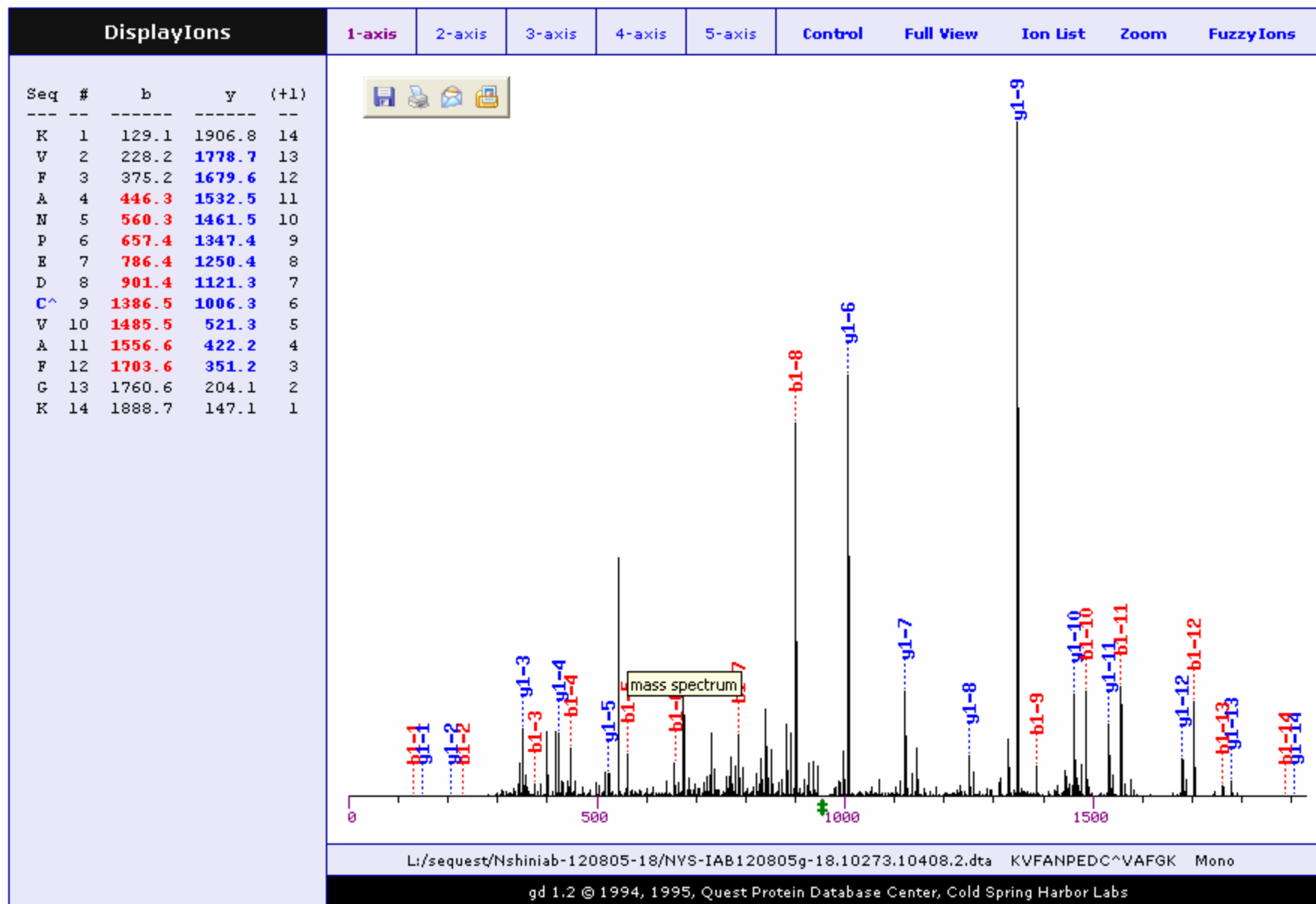


Figure S15

Ras-related protein Rab-2A-IAB, Xcorr 3.8

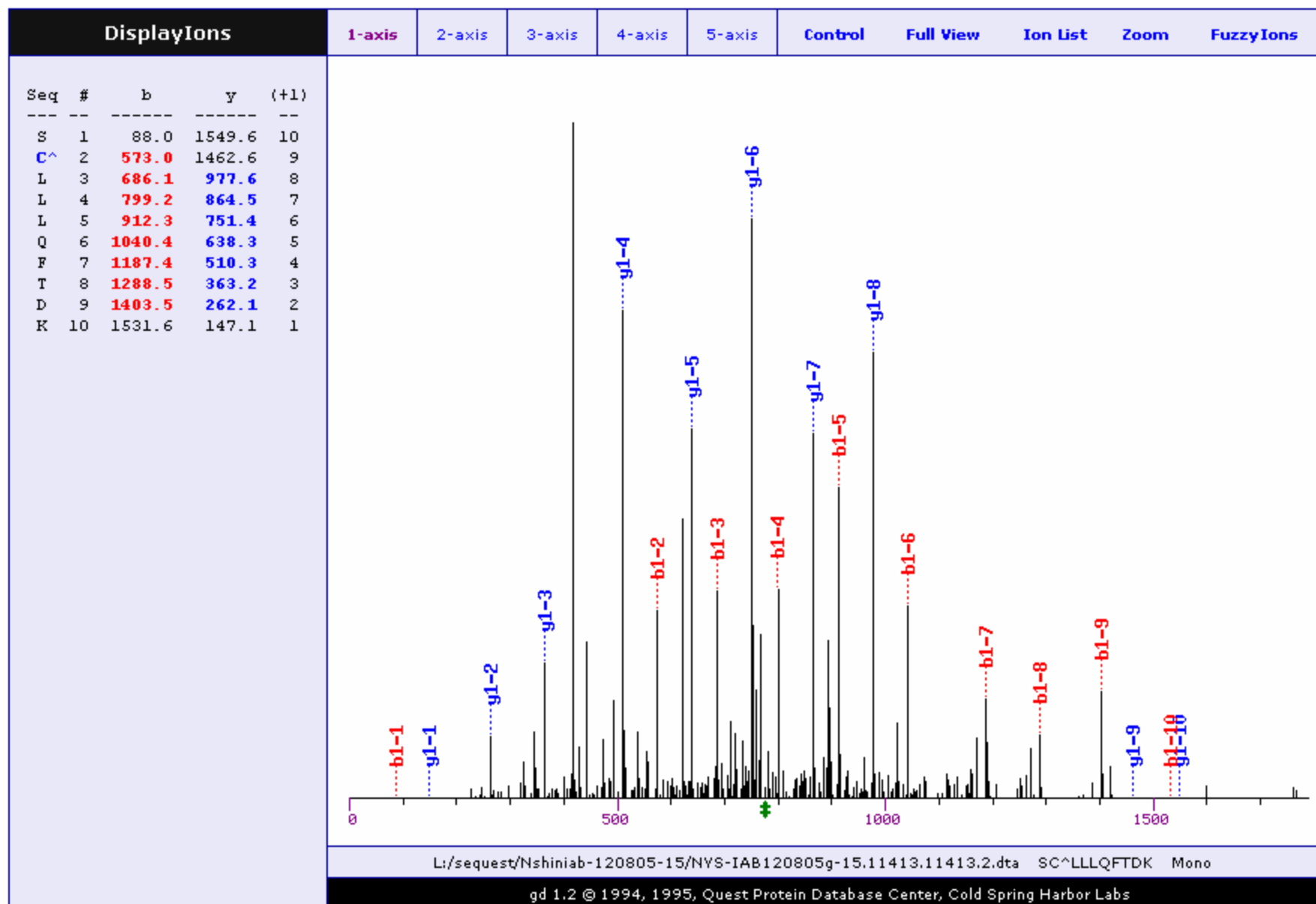


Figure S16

Sterol/retinol dehydrogenase-IAB, Xcorr 3.96

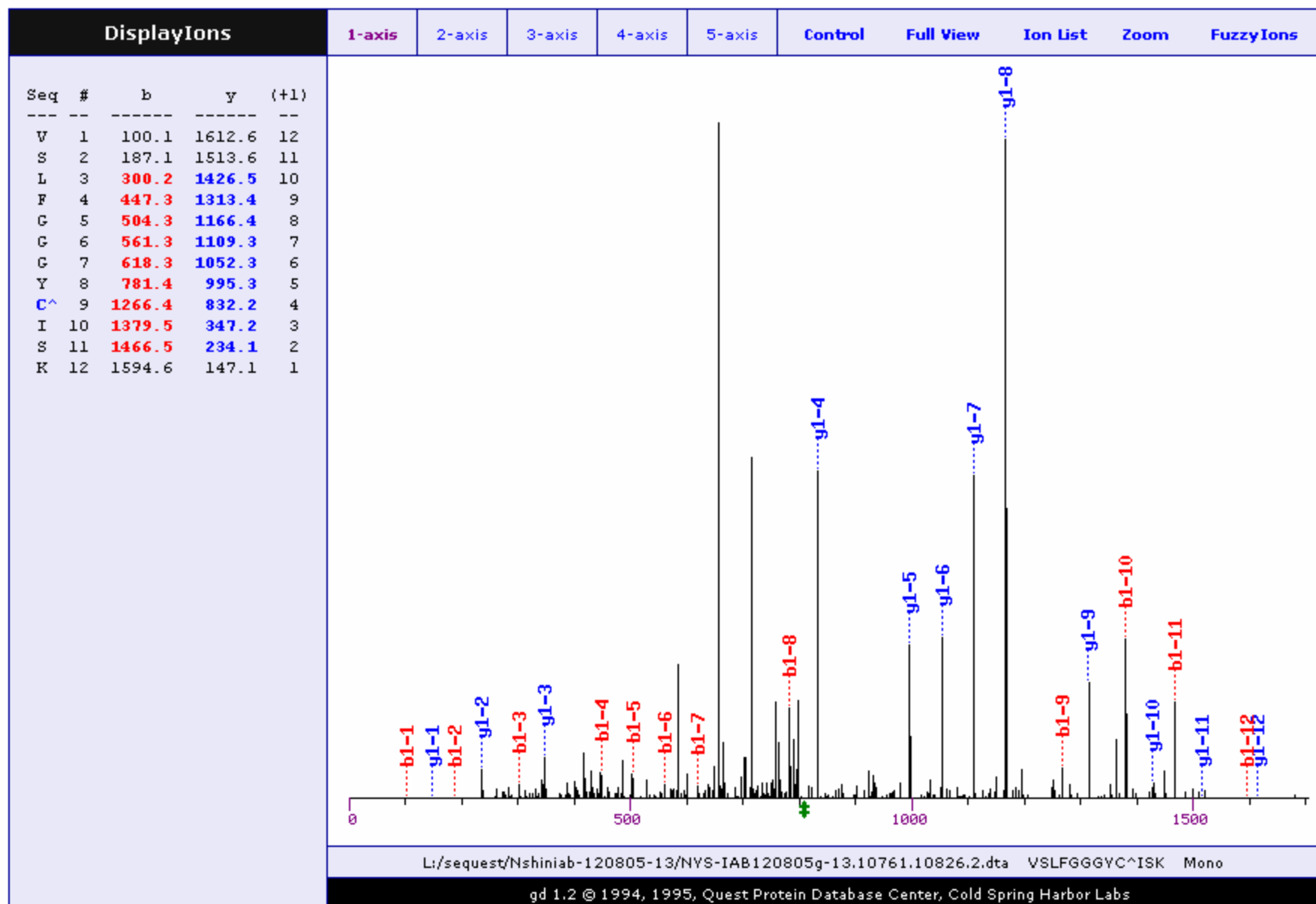
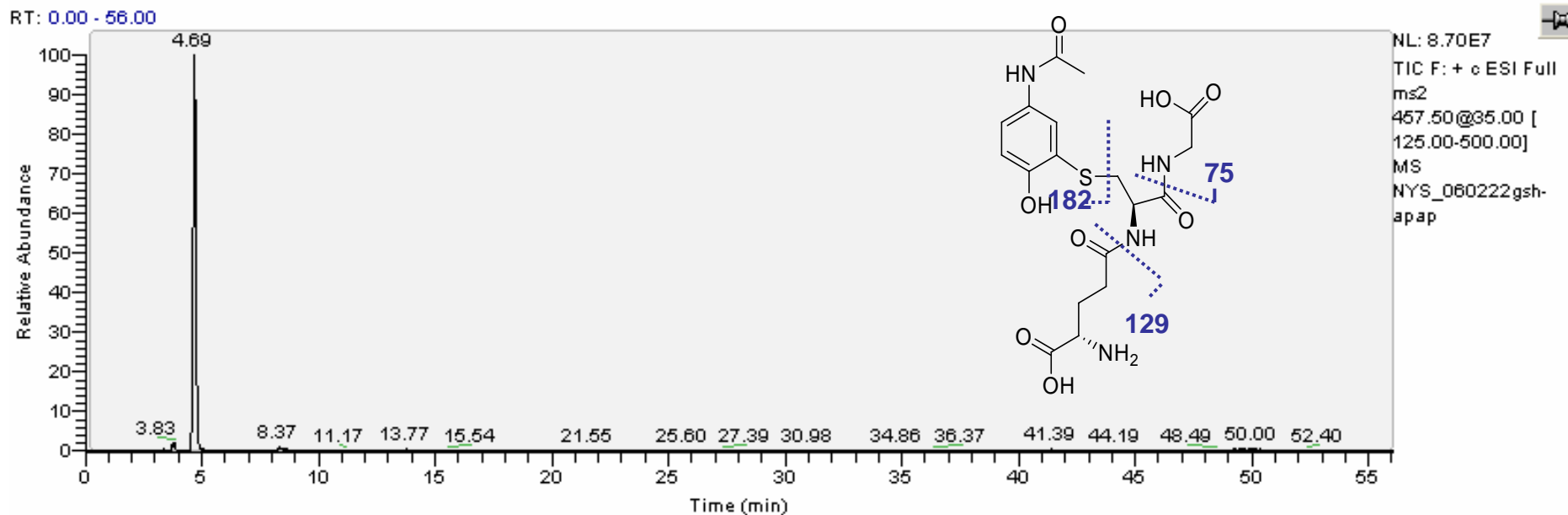


Figure S17

MS-MS of Acetaminophen GS Conjugate



NYS_060222gsh-apap #771 RT: 4.72 AV: 1 NL: 4.03E7

F: + c ESI Full ms2 457.50@35.00 [125.00-500.00]

