SUPPORTING INFORMATION

Proteomics analysis reveals that structural proteins of the virion core and involved in gene expression are the main source for HLA class II ligands in vaccinia virus-infected cells

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Supplementary Figure 1. Identification of the HLA class II ligands in VACV-infected cell extracts by mass spectrometry.

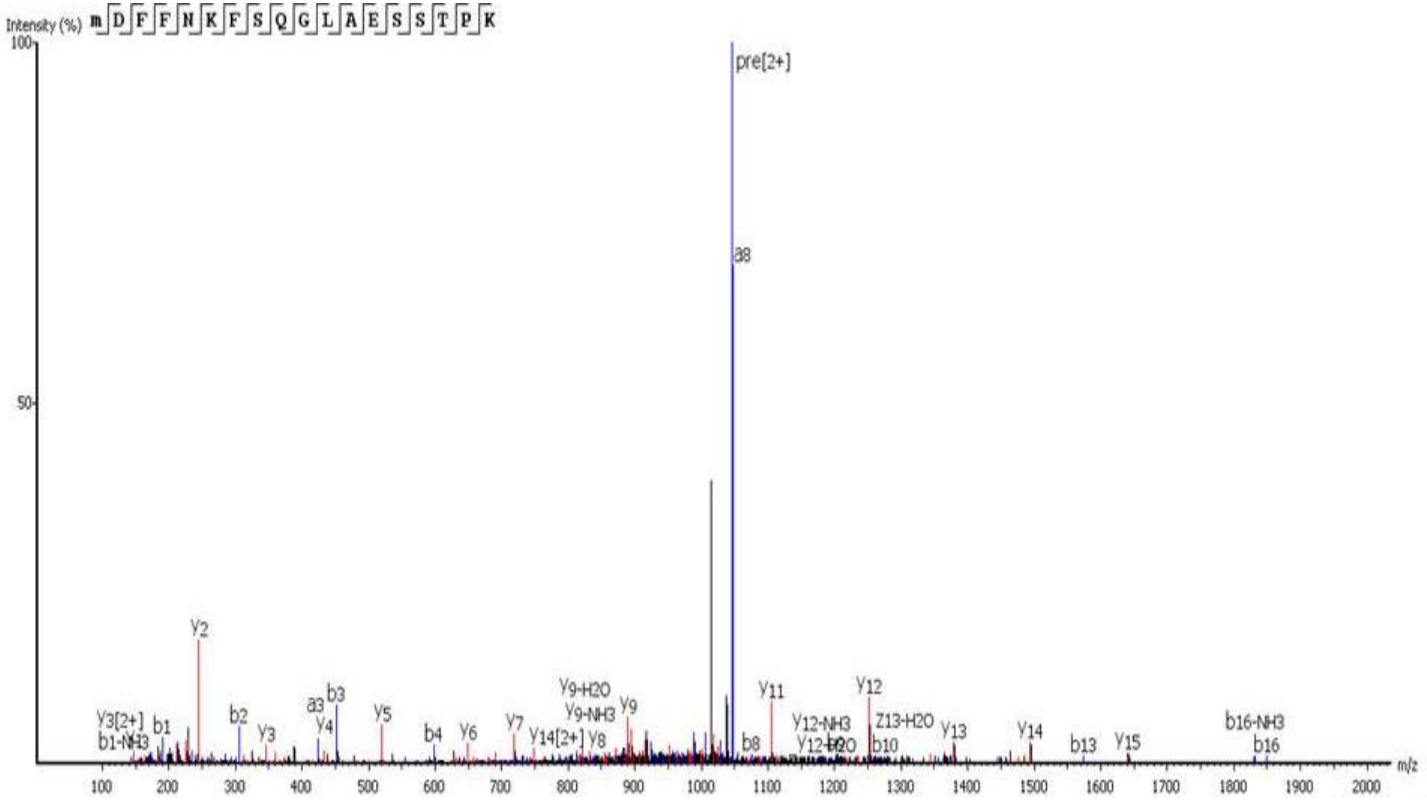
MS/MS fragmentation spectra obtained from quadrupole ion trap mass spectrometry of the ion peaks indicated in Table 1 from the VACV-infected cell extracts. The vertical axis represents the relative abundance of the parental ion and each fragmentation ion detected. Ions generated in the fragmentation are detailed, and the sequence deduced from the indicated fragments is shown in the upper left side of each panel.

Supplementary Figure 2. Comparison between experimentally detected ligands and their synthetic peptides.

MS/MS fragmentation spectra, which were obtained from quadrupole ion trap mass spectrometry, of two VACV HLA class II ligands (upper panels) and their corresponding synthetic peptides (lower panels). The axes are as described in Figure 1.

Supplementary Figure 3. Analysis of the temporal expression of VACV mRNAs from genes encoding parental and non-parental proteins for HLA class II ligands.

Line plot of read counts of VACV mRNA transcripts from 0 to 24h post-infection from [48], corresponding to the individual or median for parental (open squares) or non-parental (closed squares) proteins of the HLA class II ligands identified by mass spectrometry. Expression data were those calculated as median quantile-normalized probe intensities by the authors of the original reference [48].



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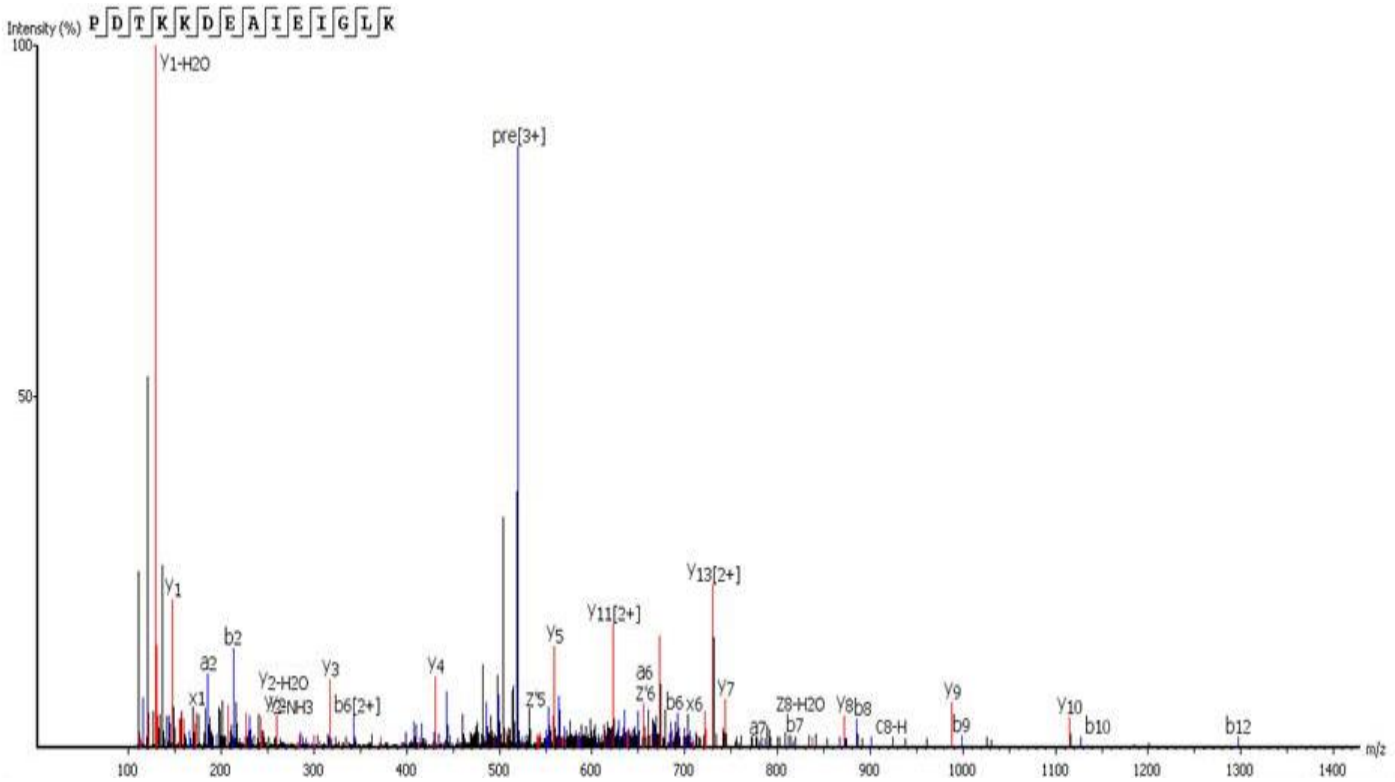

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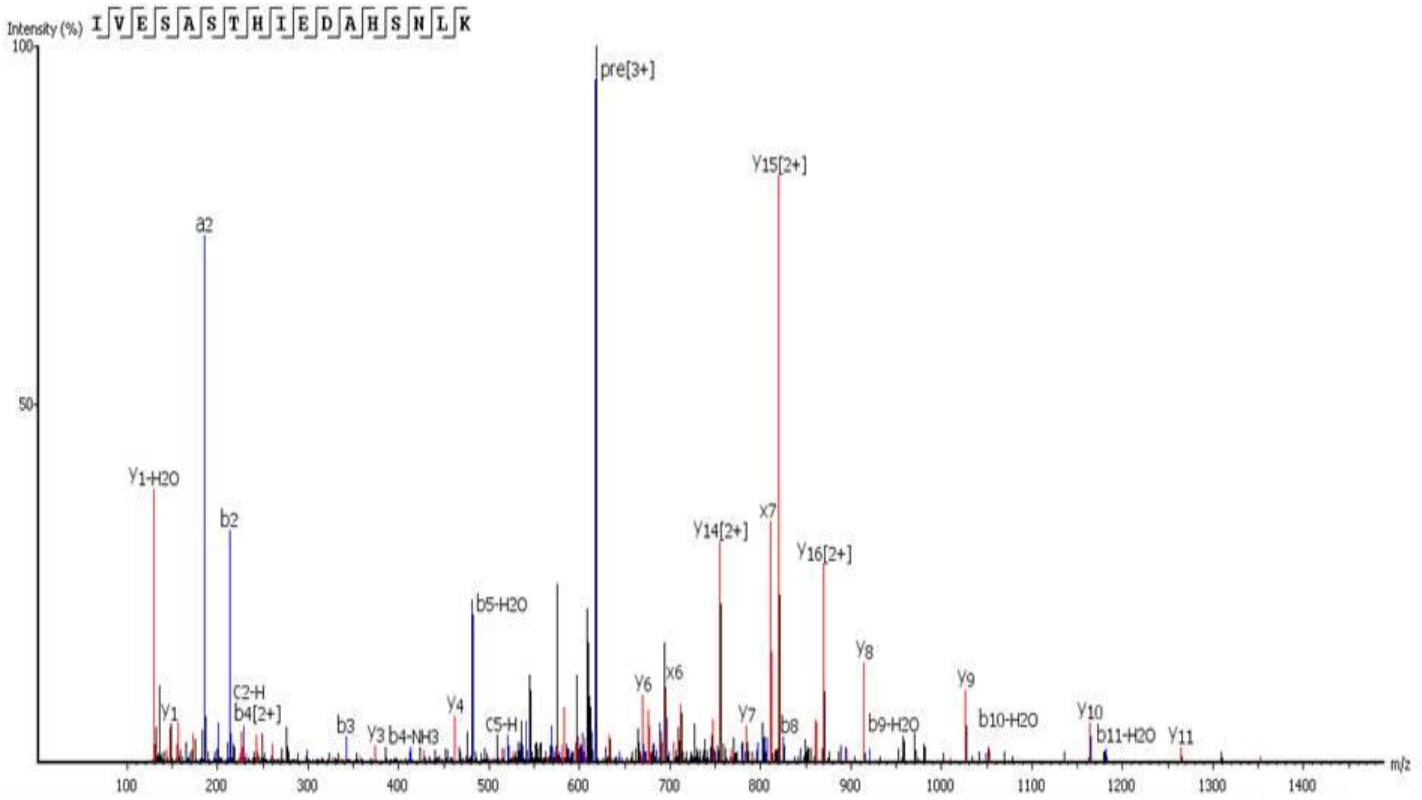

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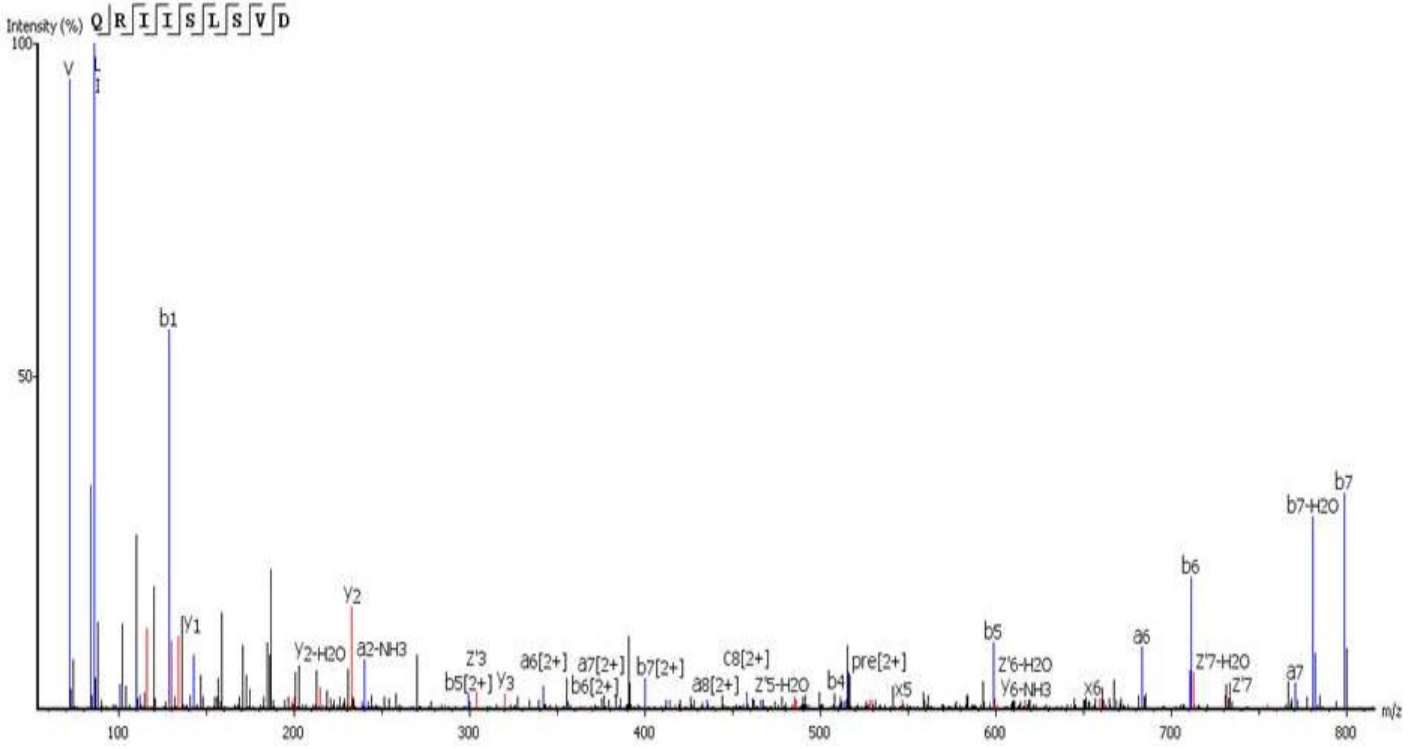

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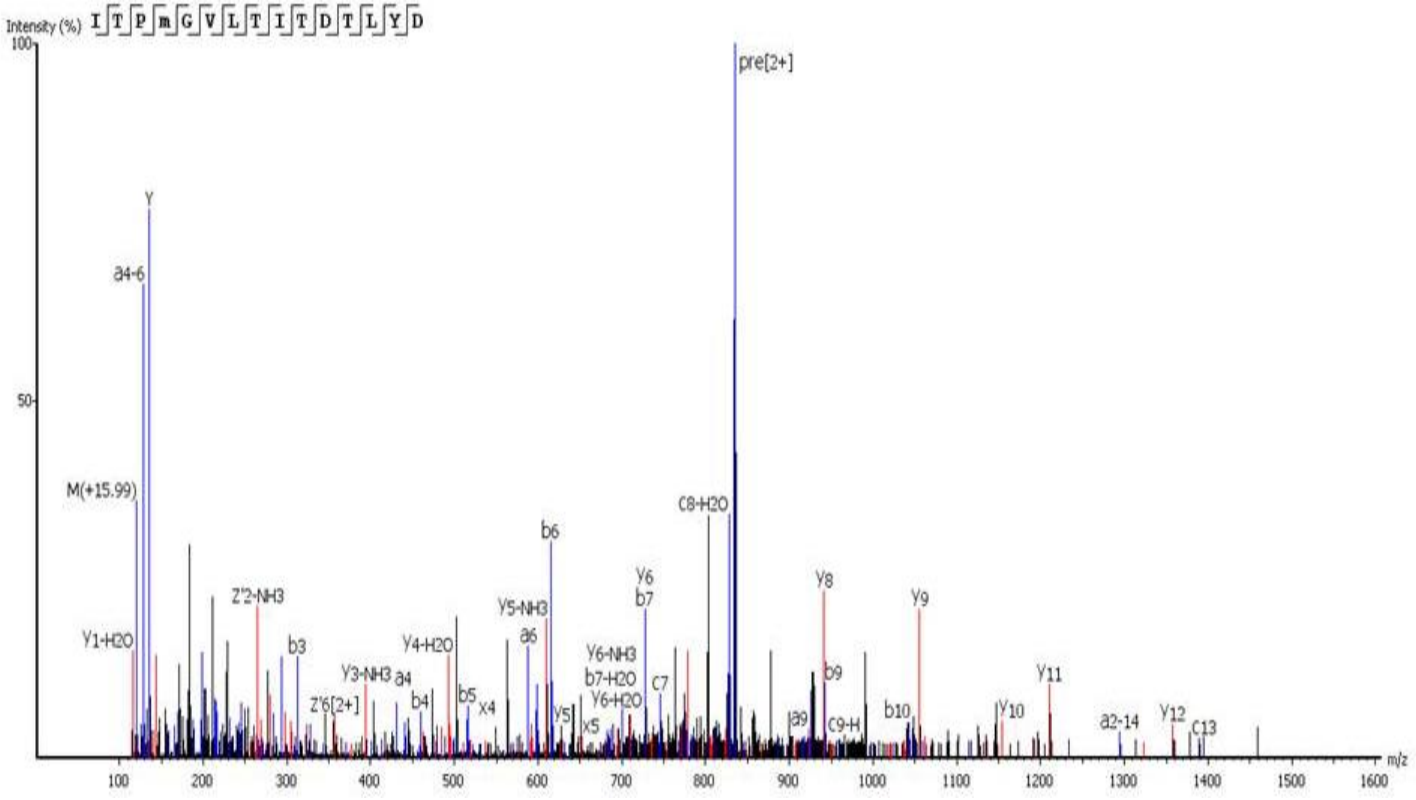

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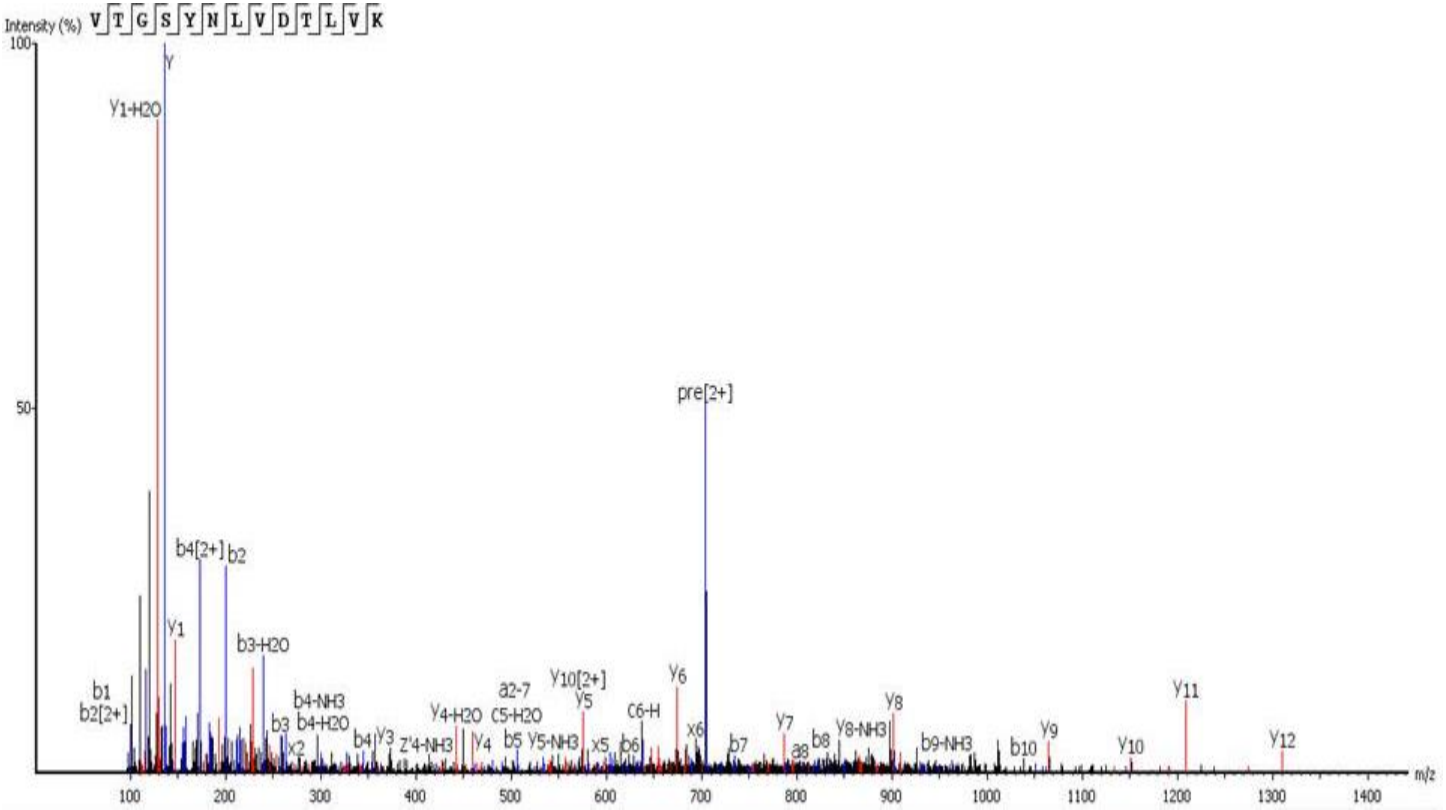

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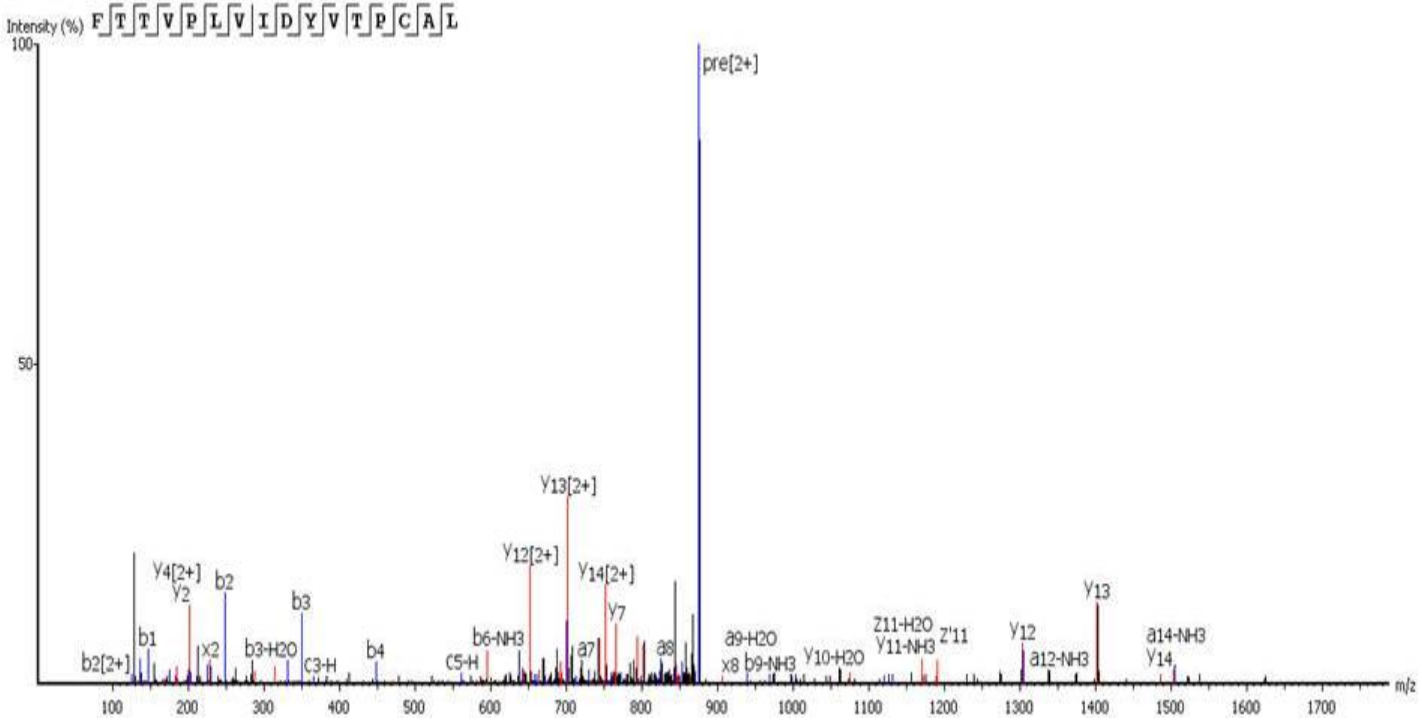

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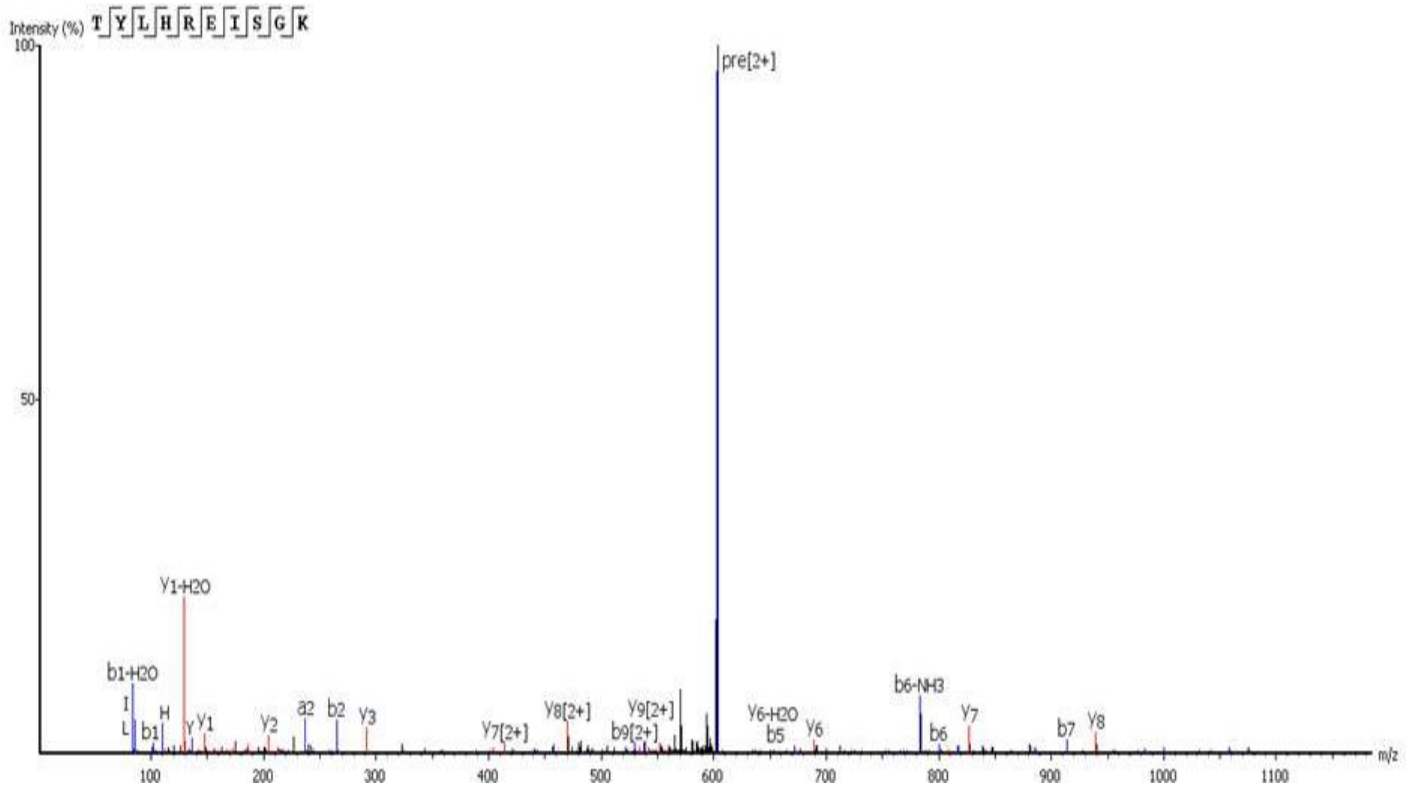

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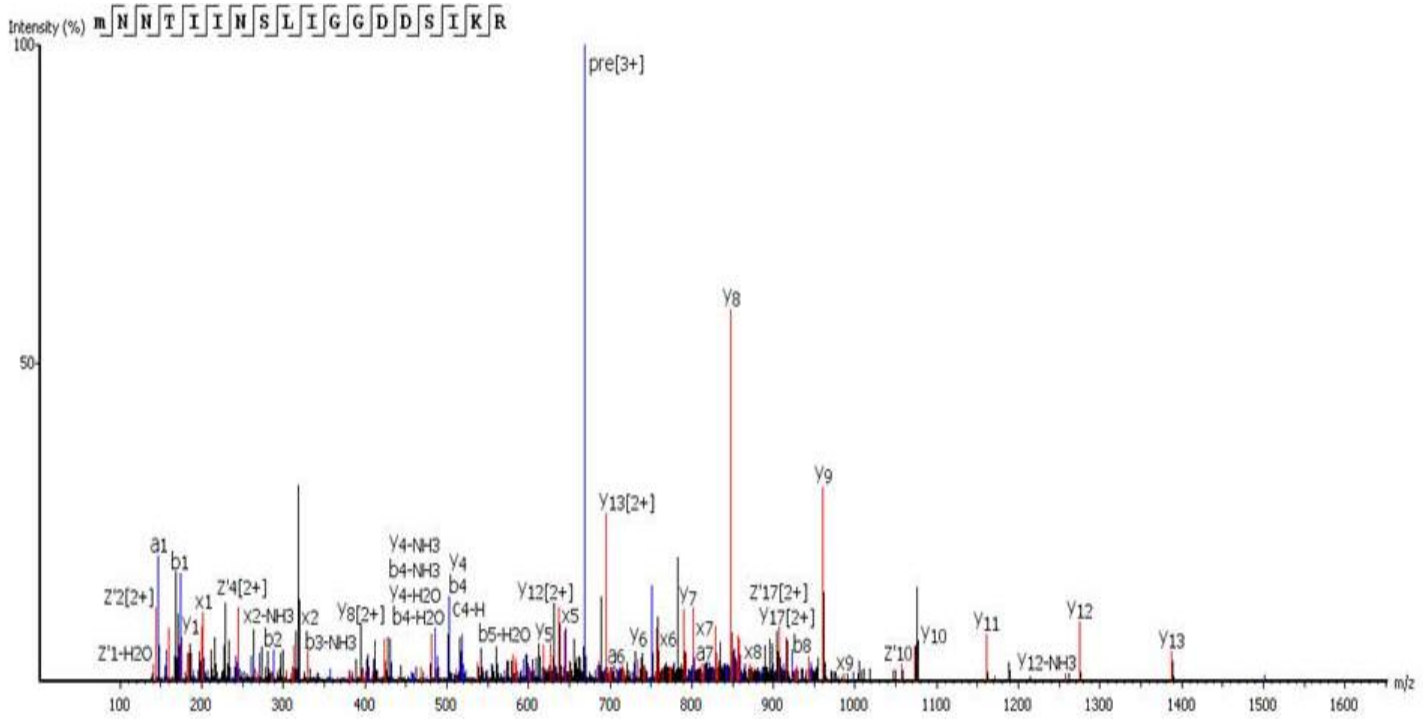

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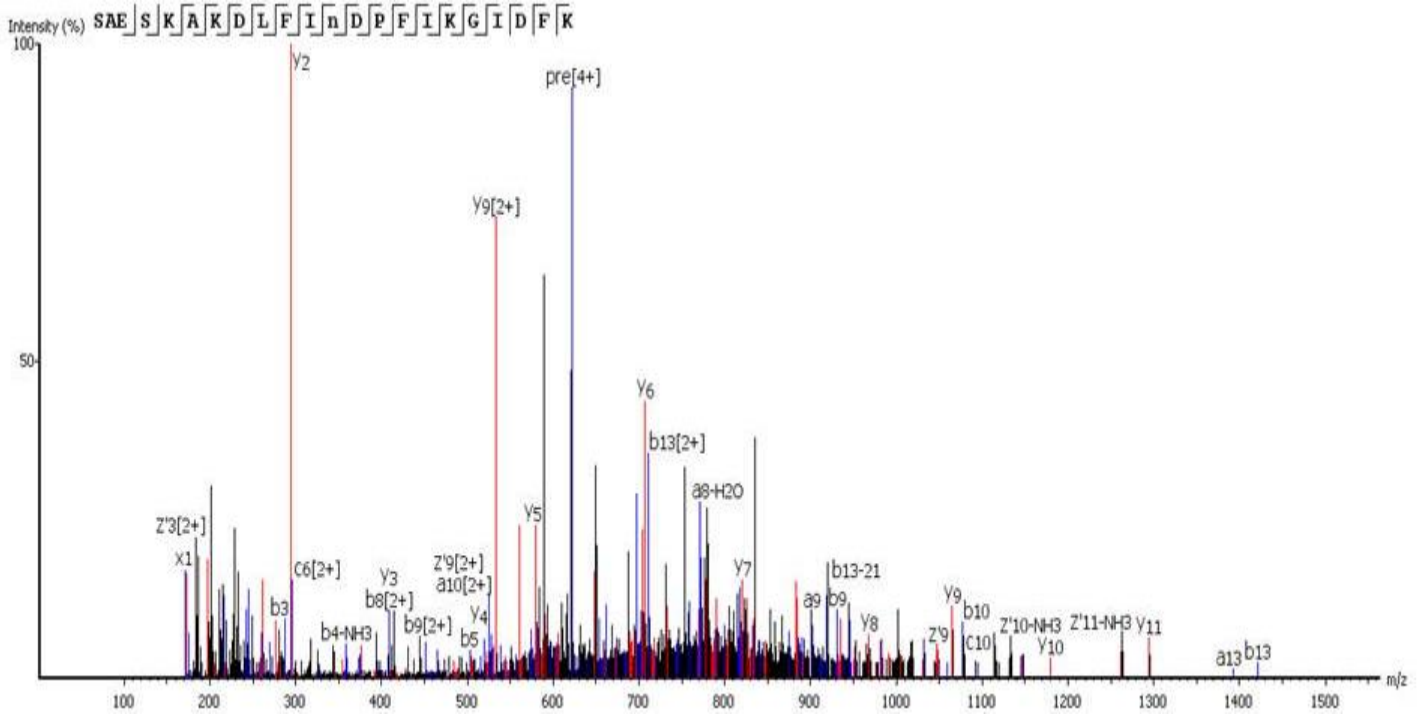

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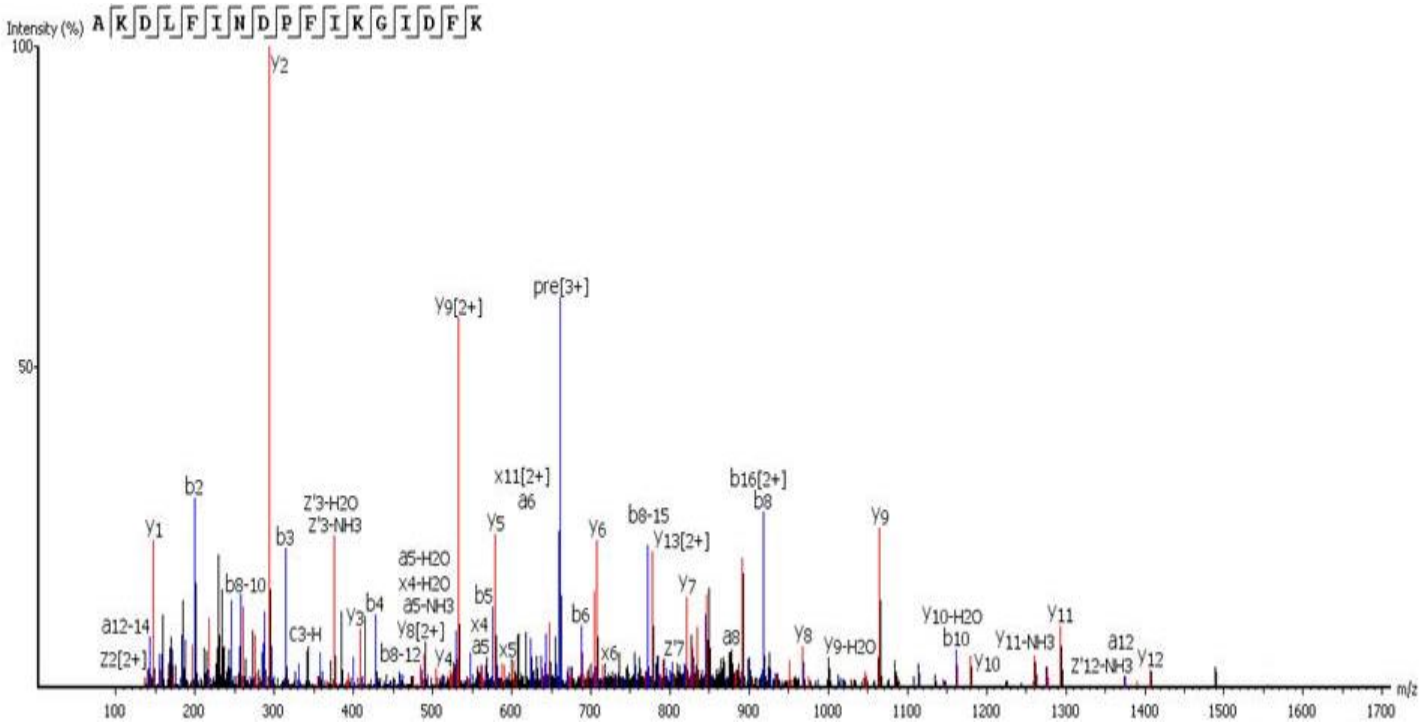

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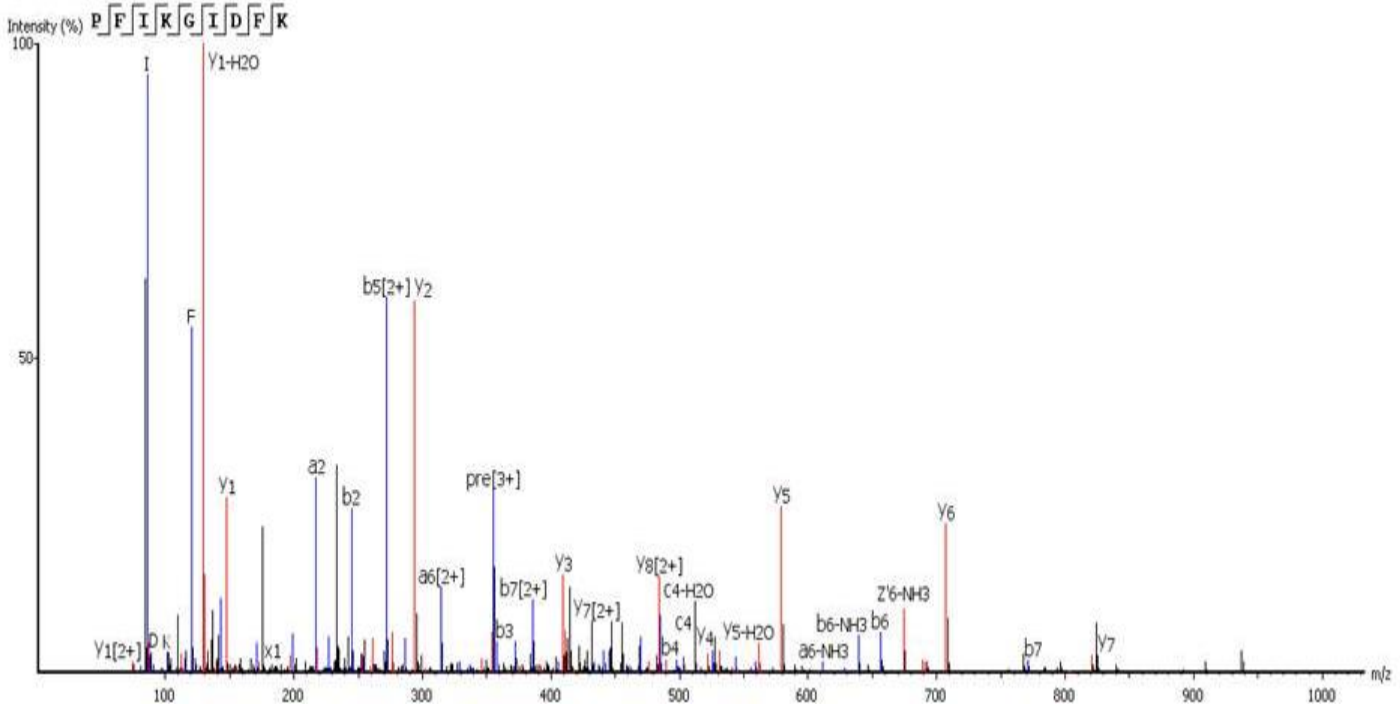

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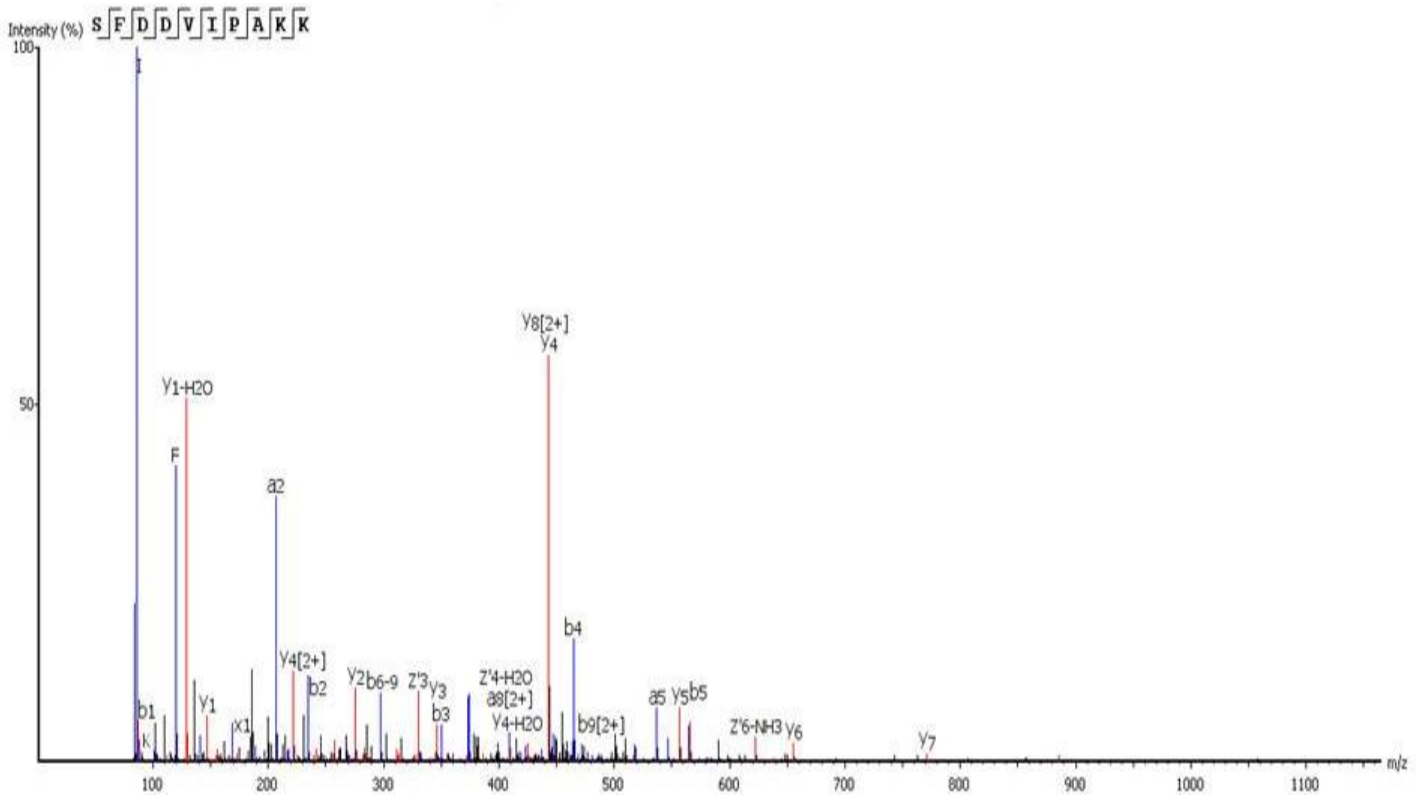

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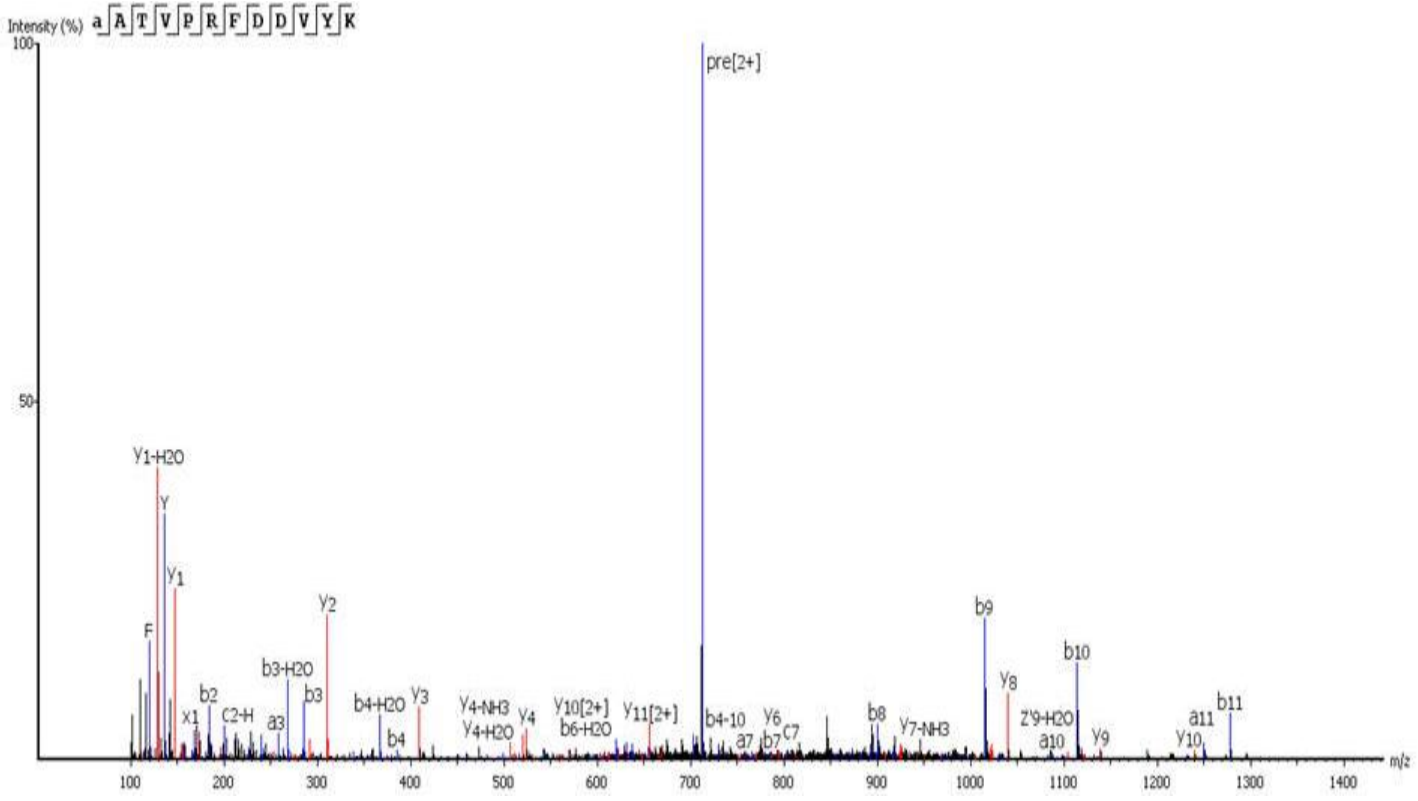

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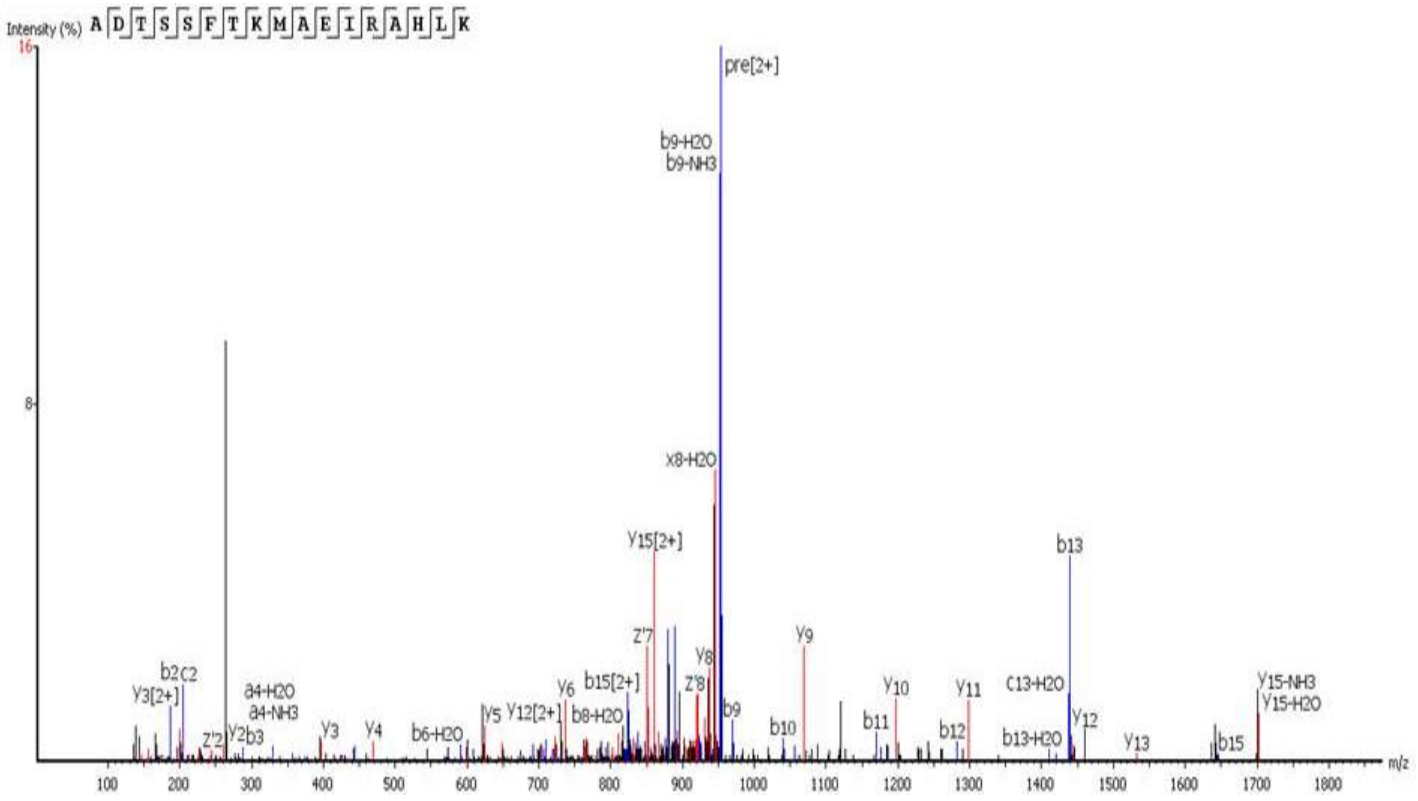

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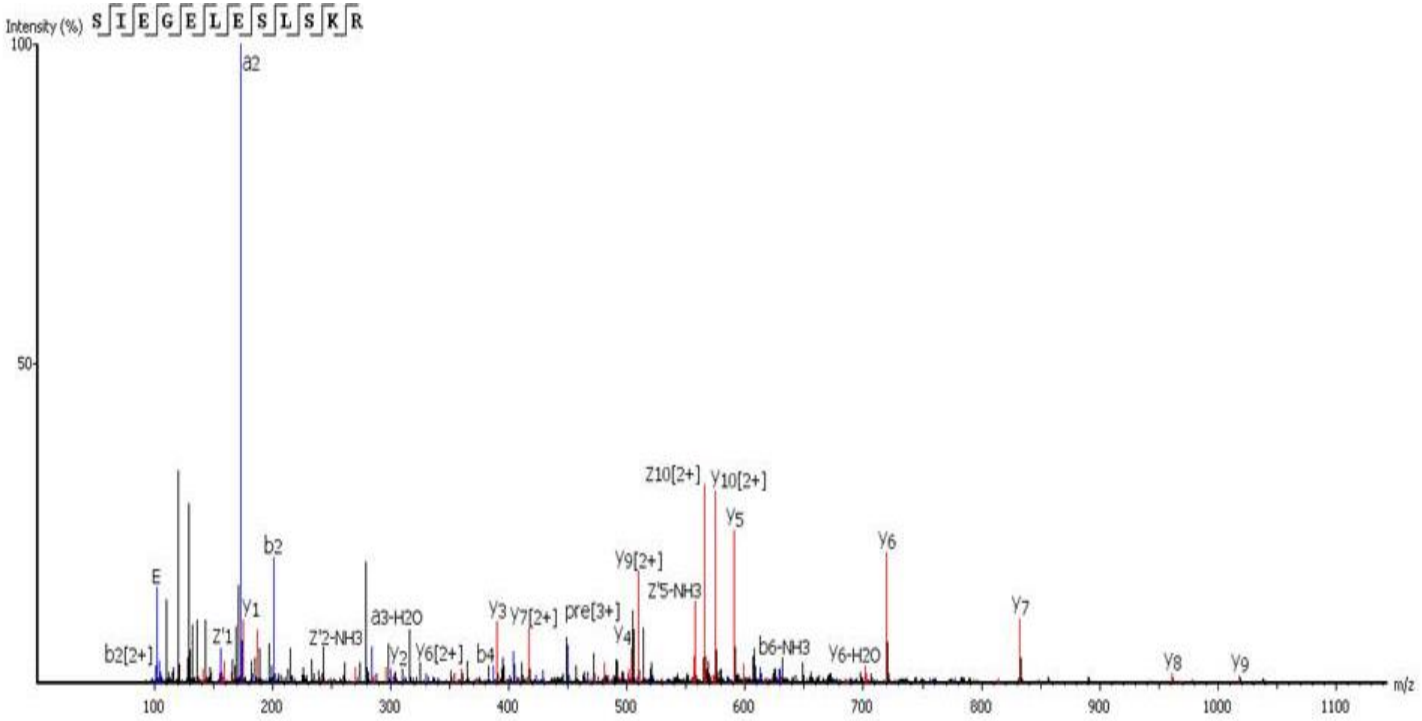

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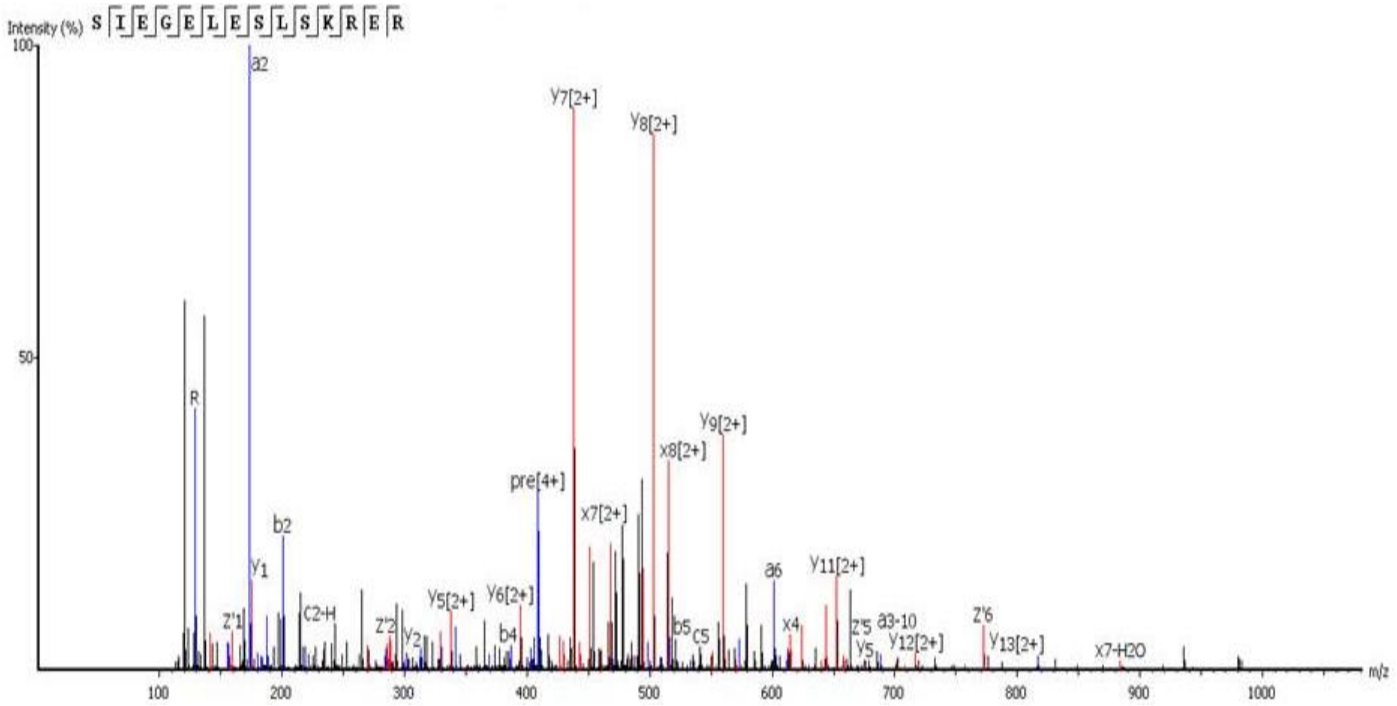

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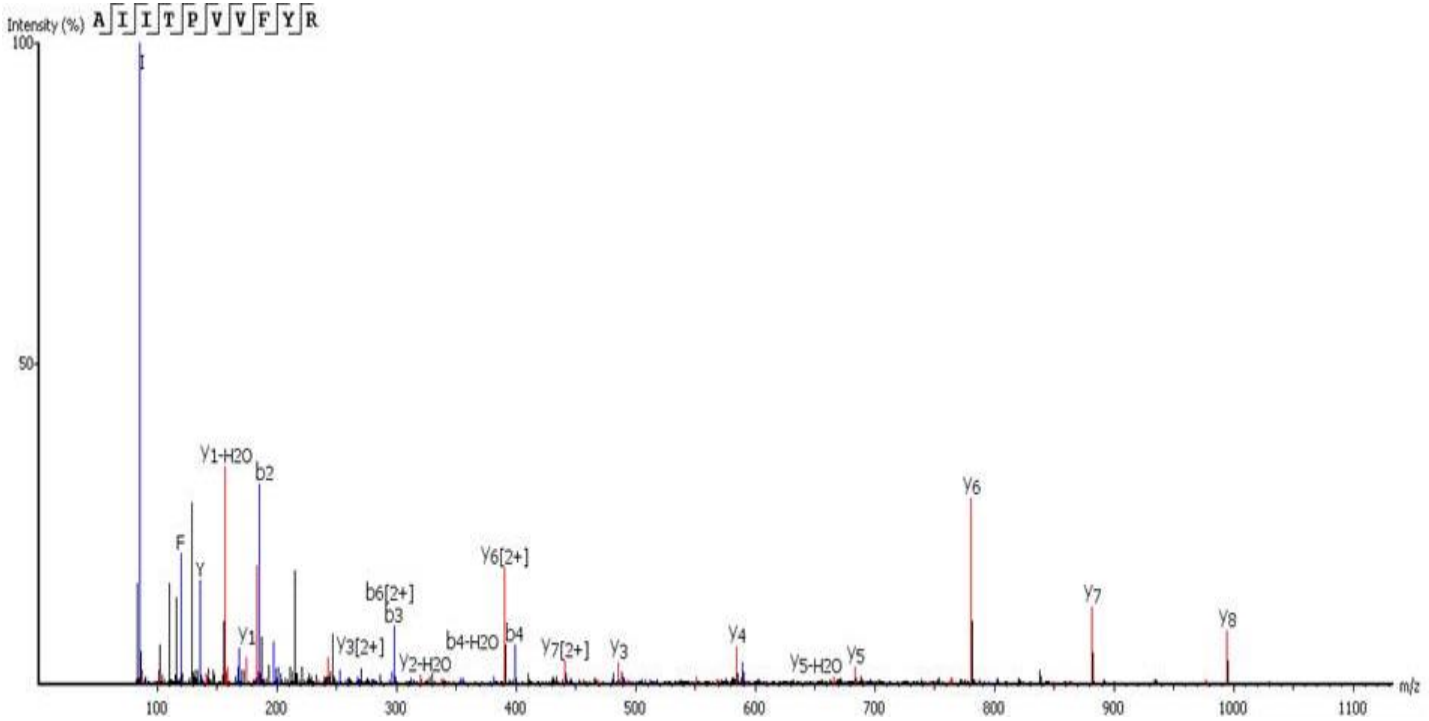

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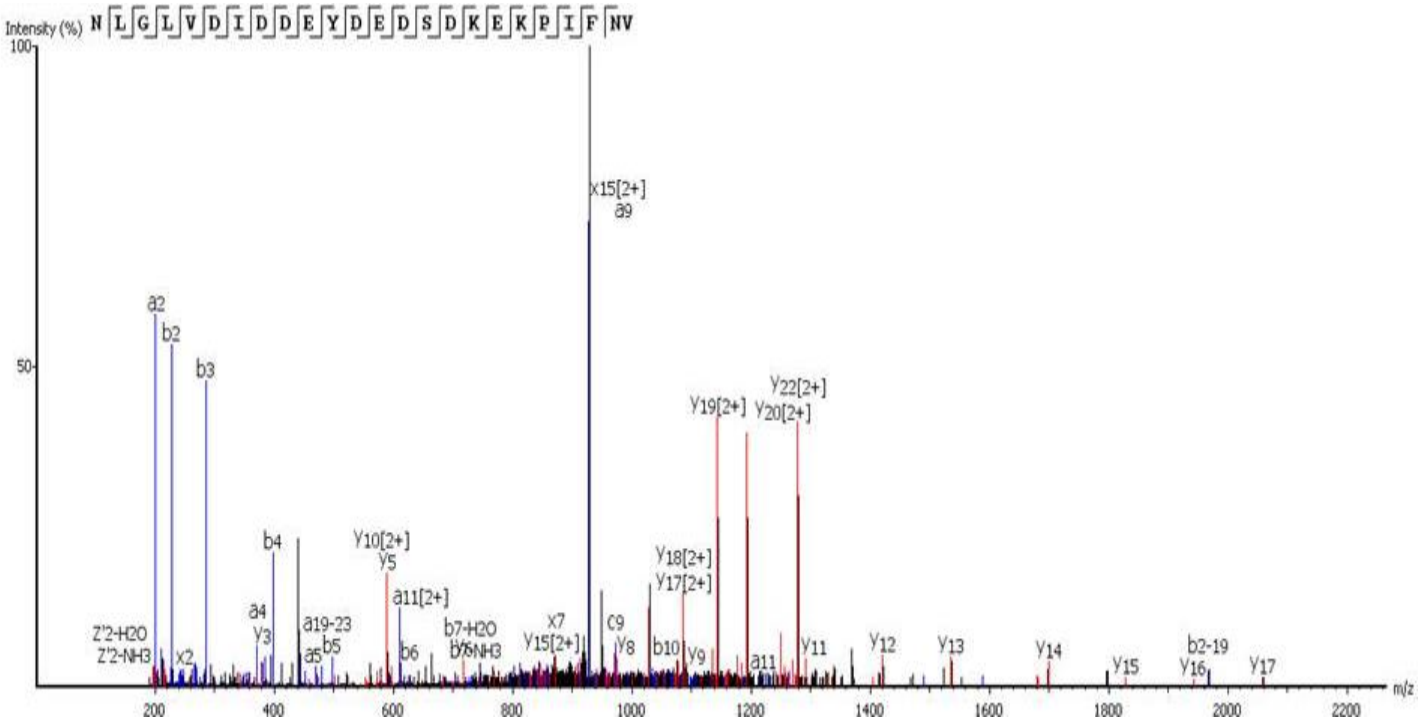

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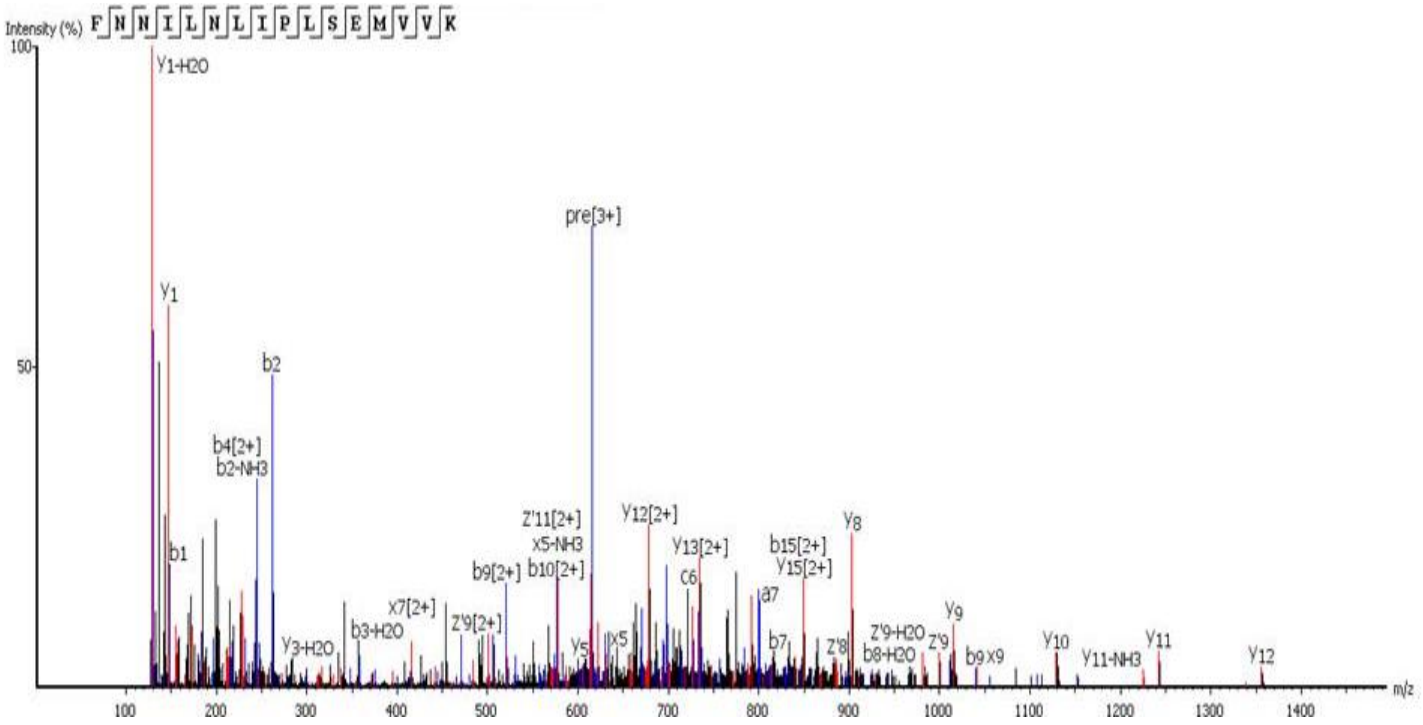

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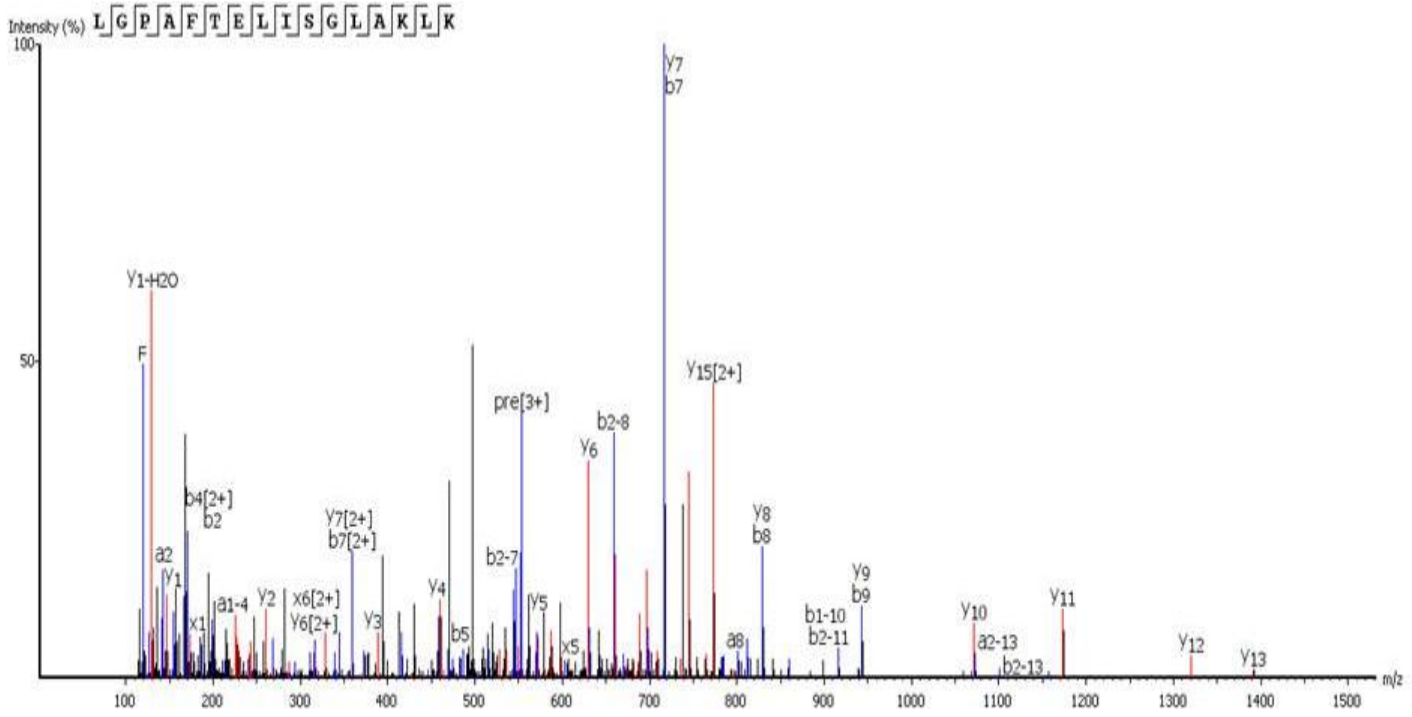

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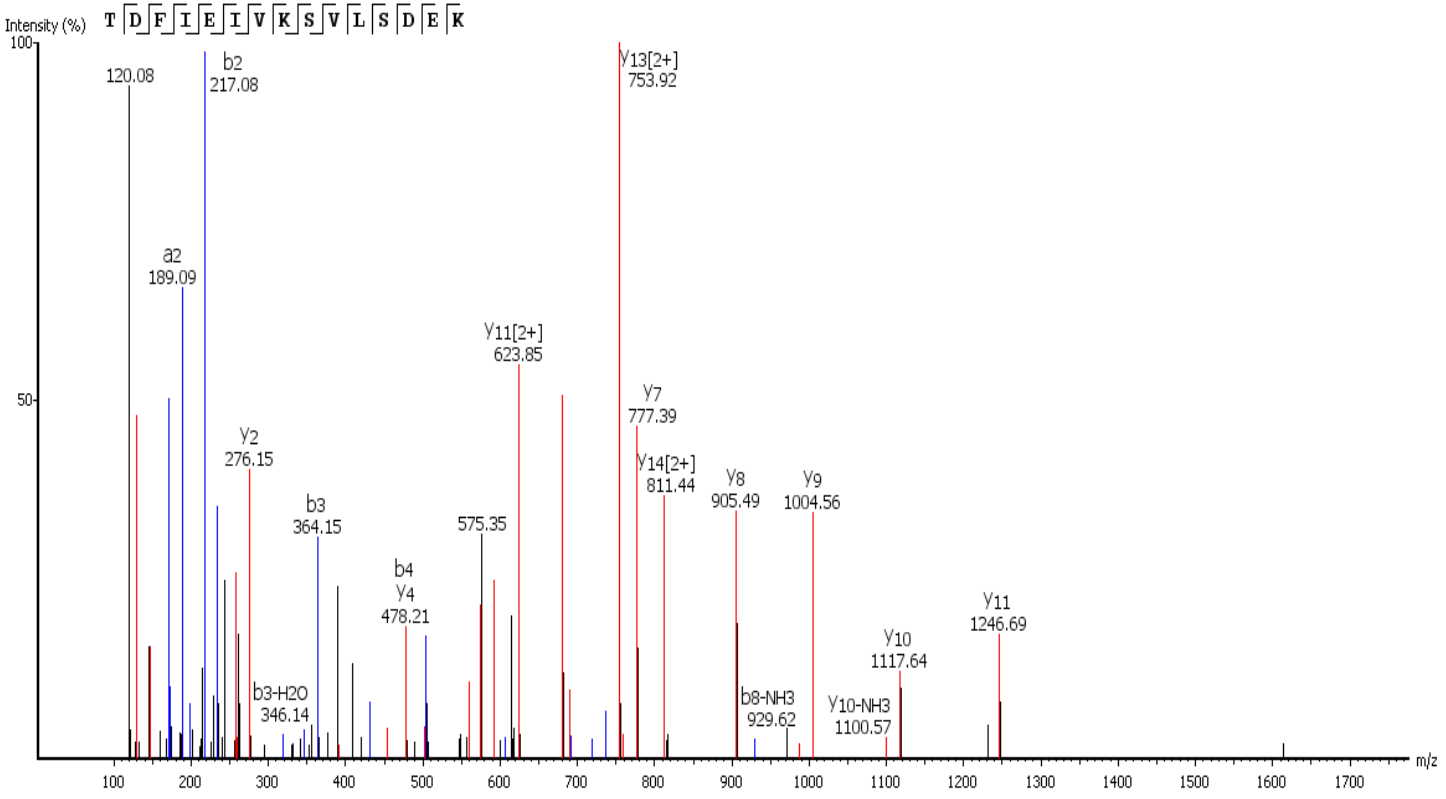

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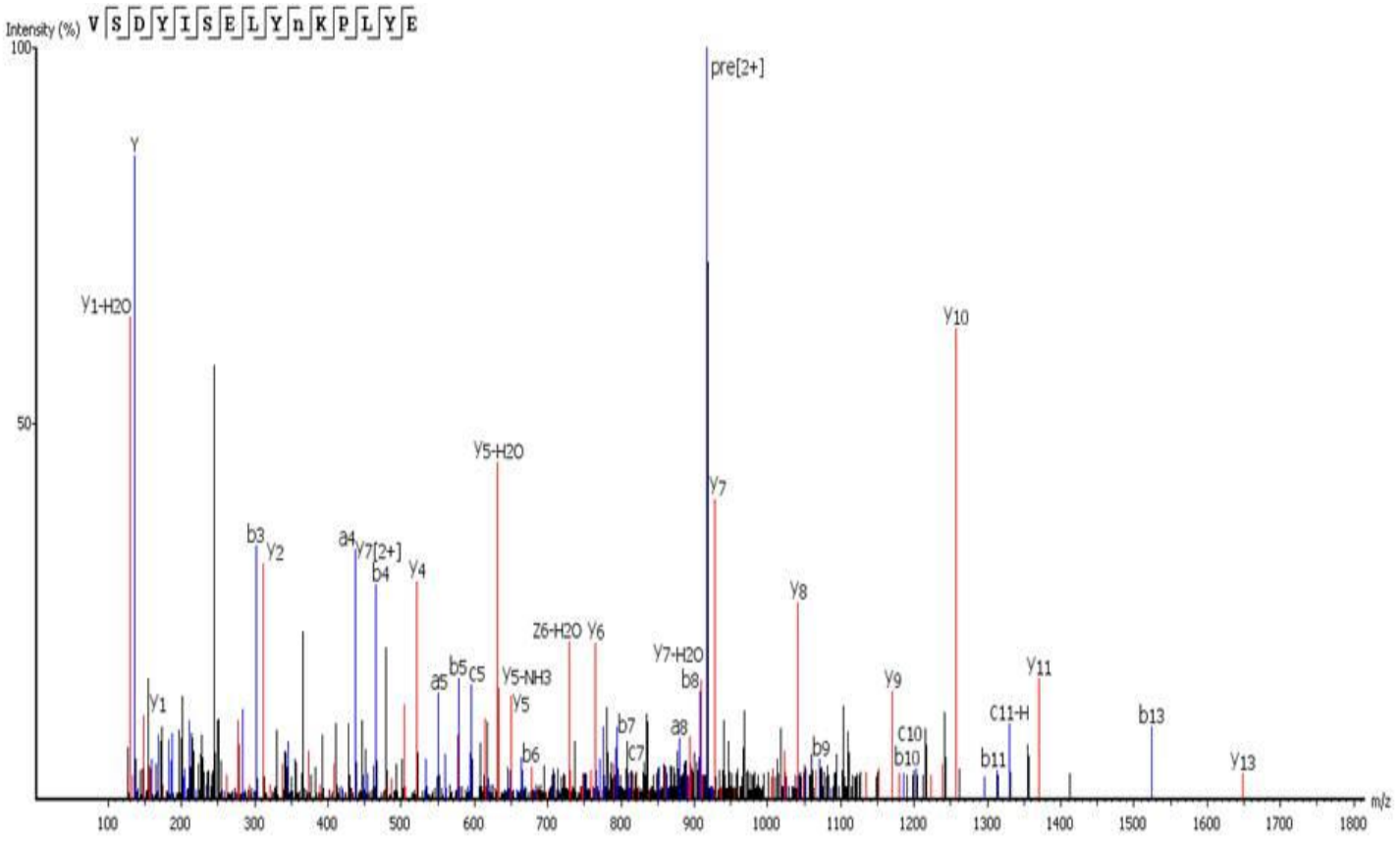

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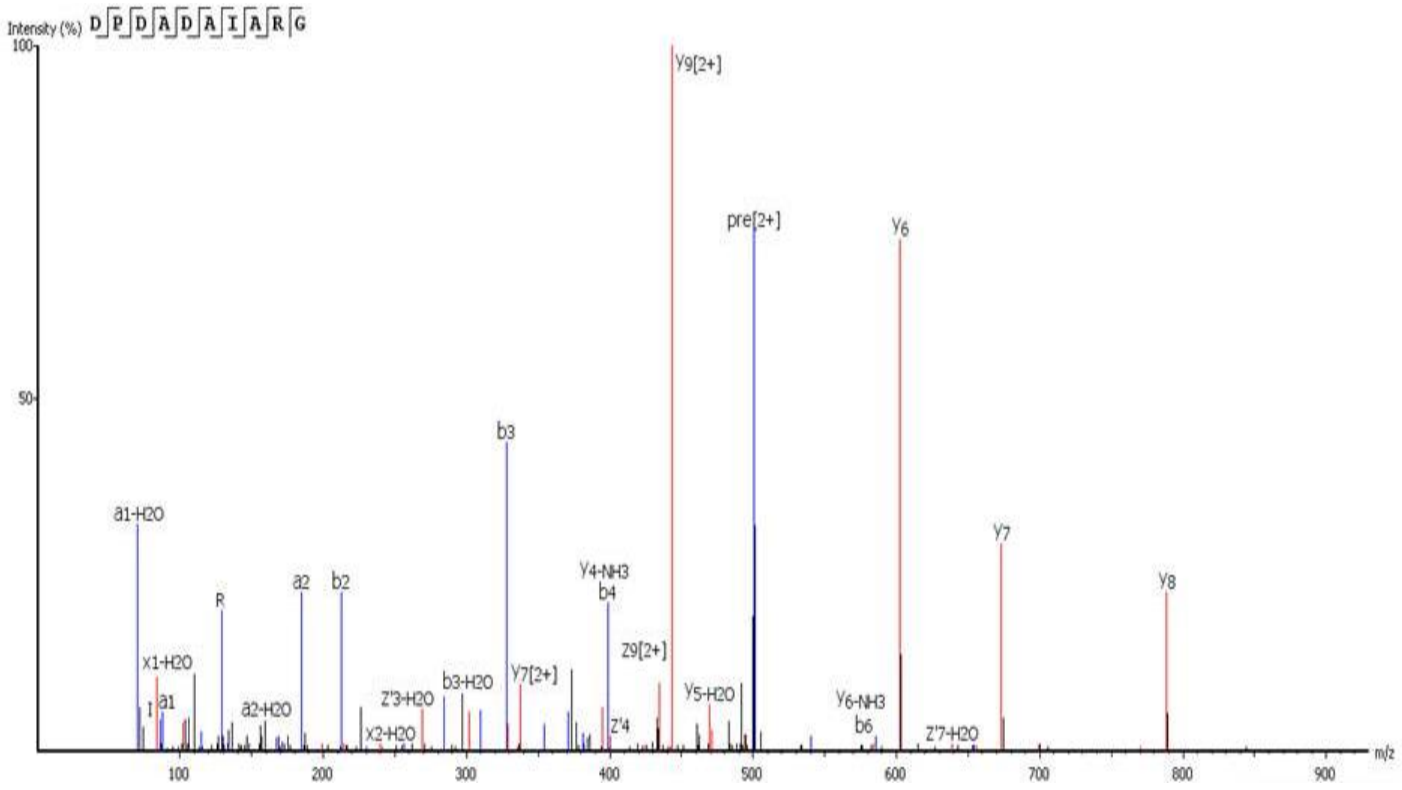

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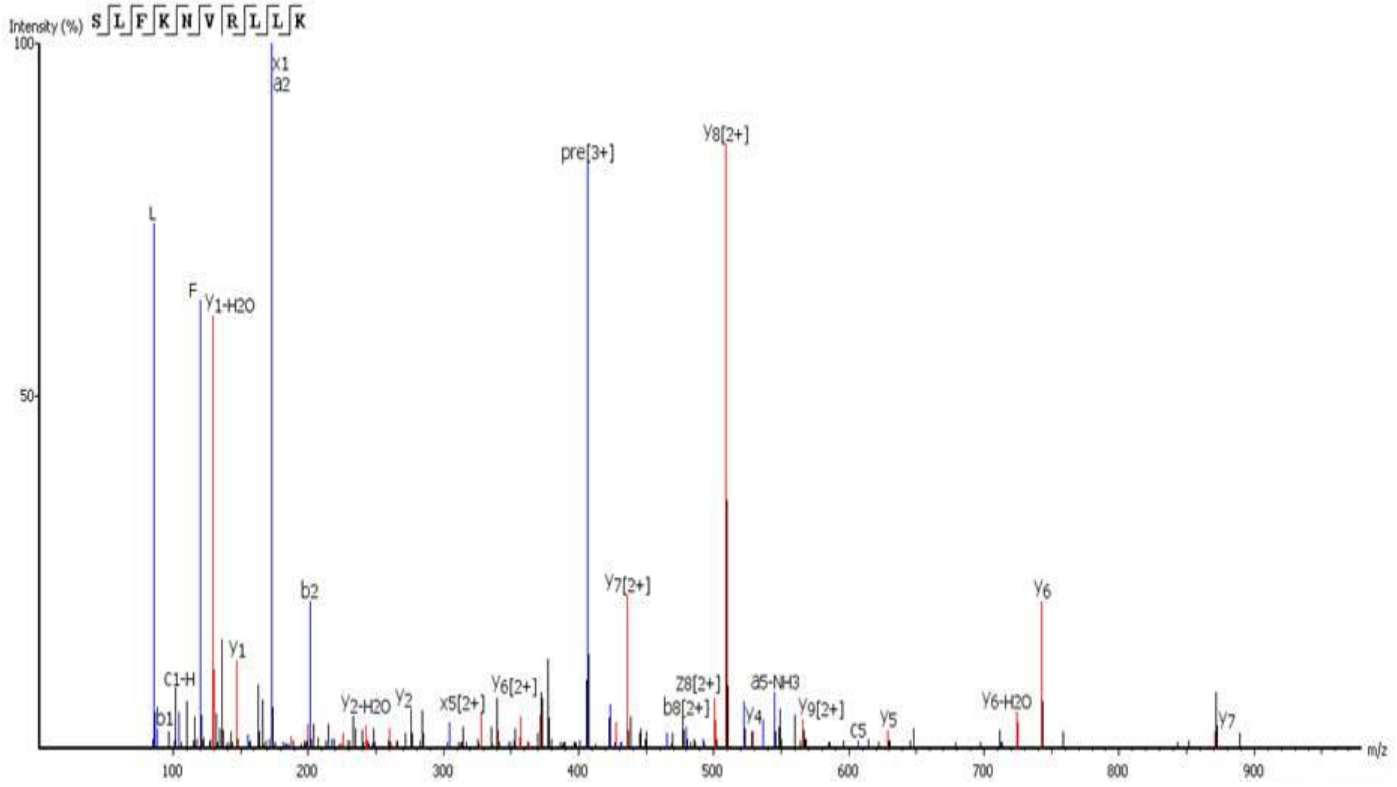

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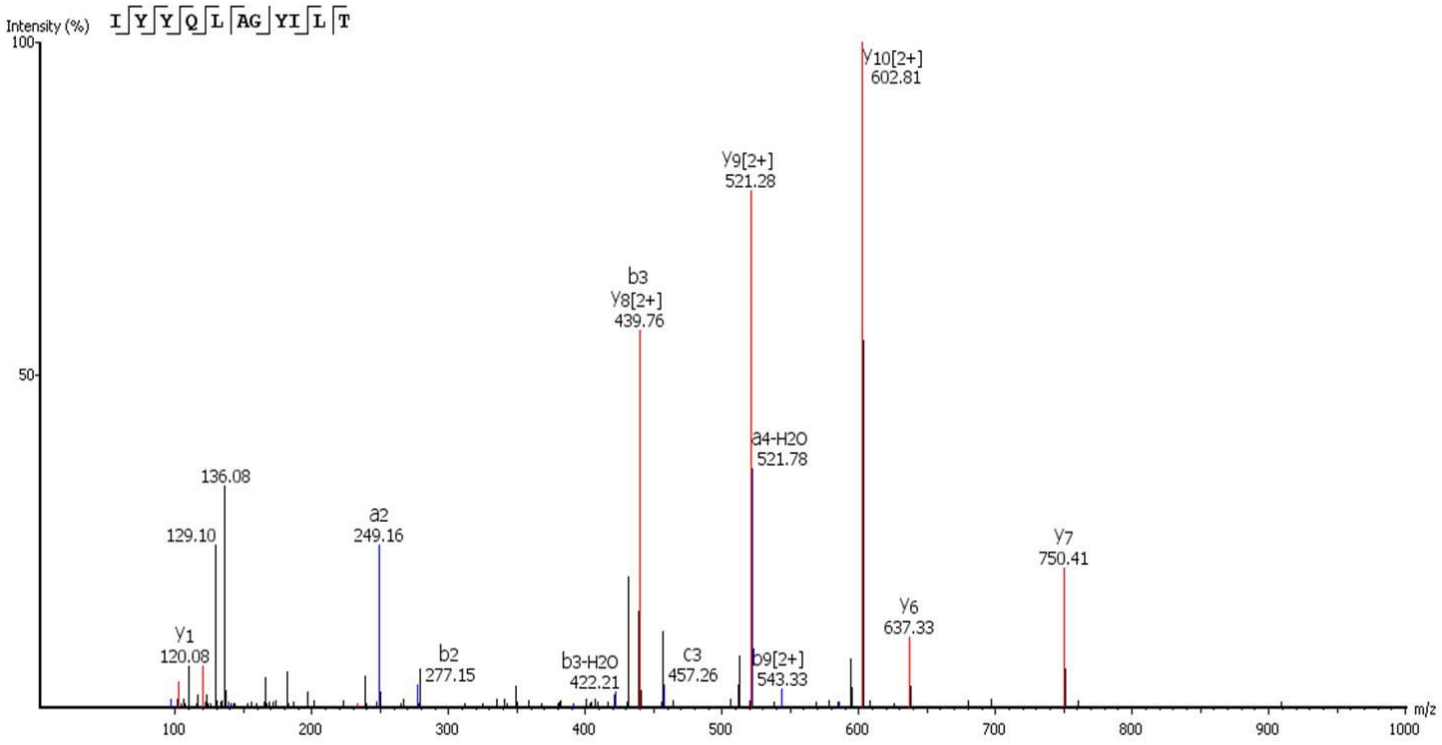

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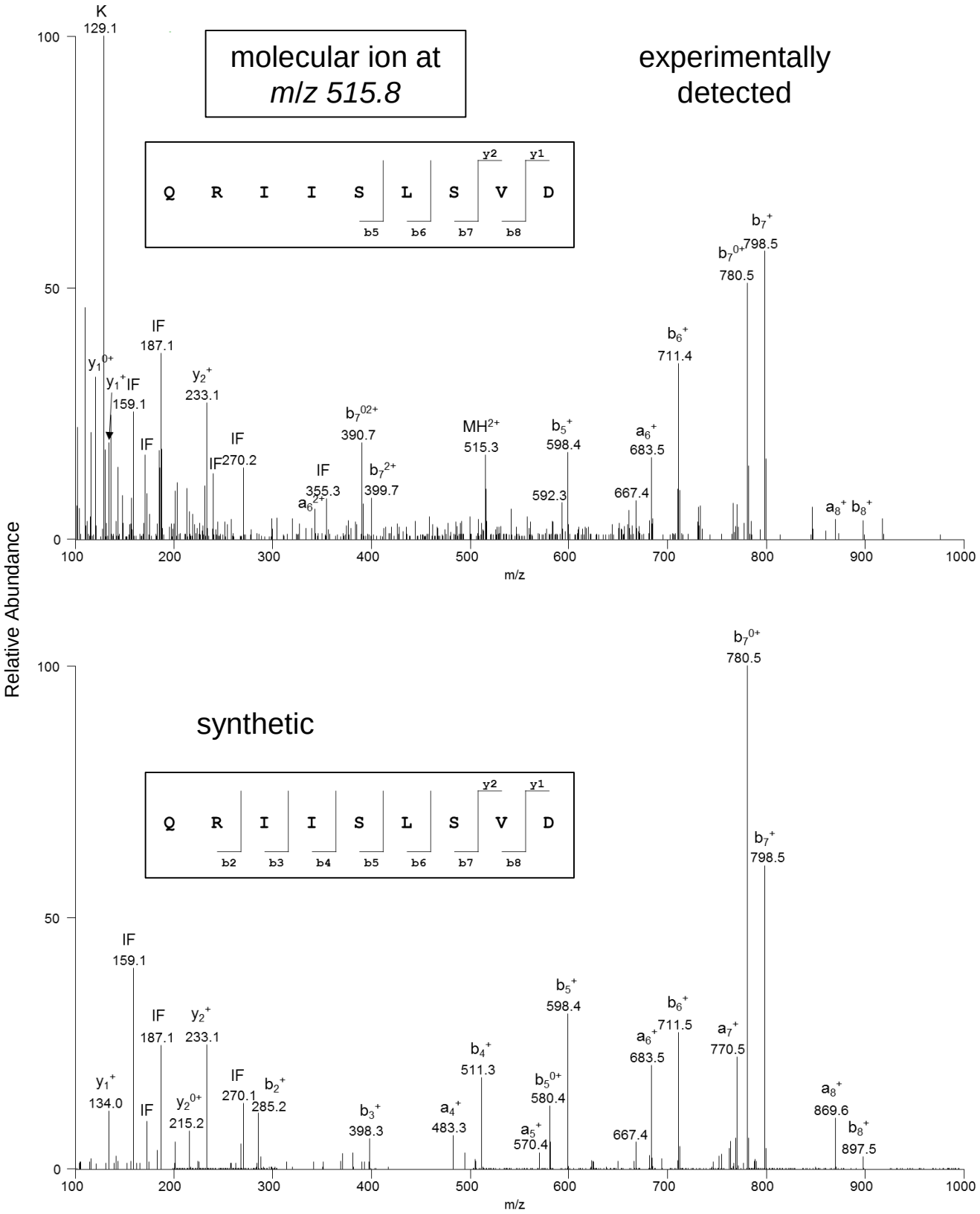

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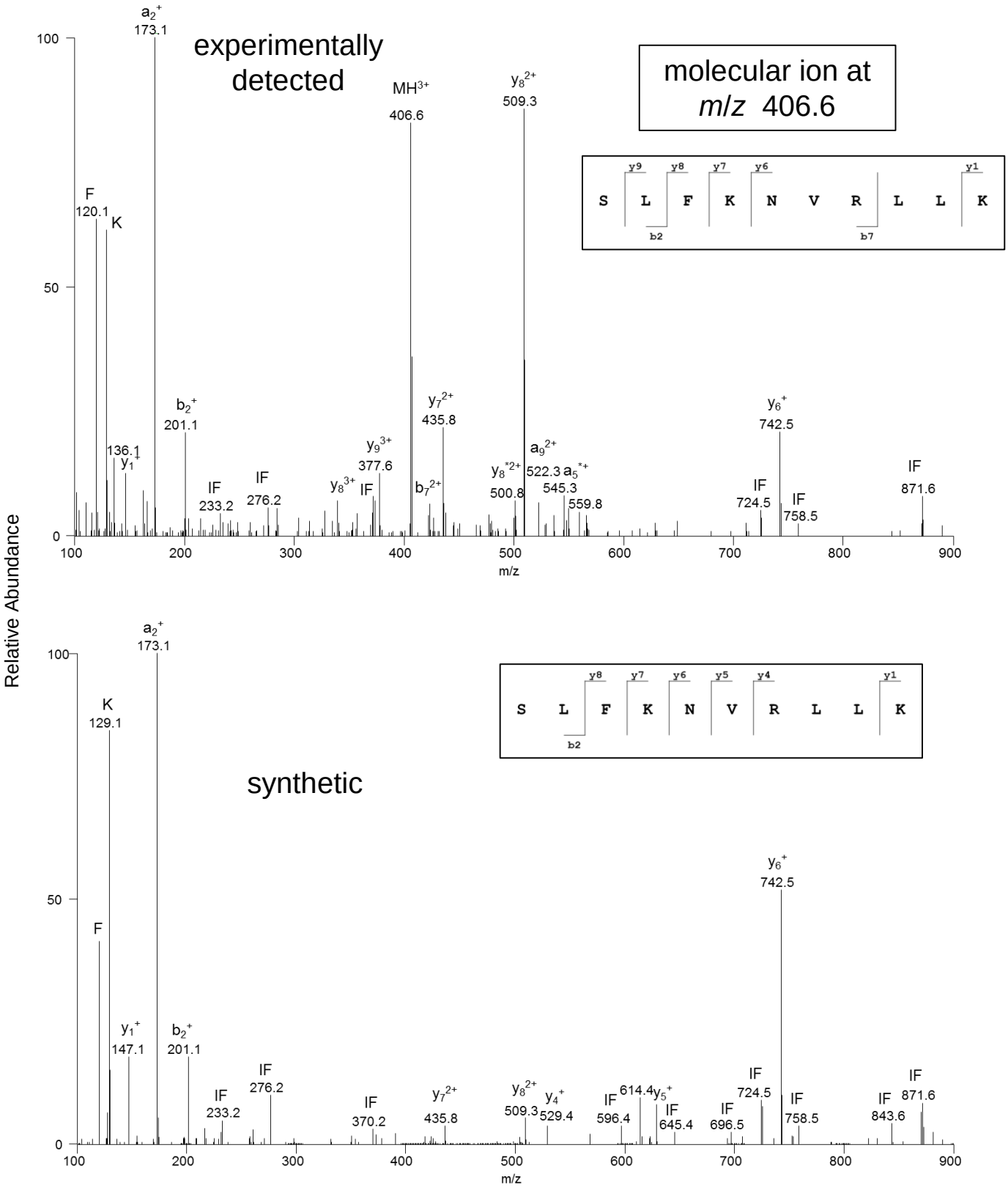

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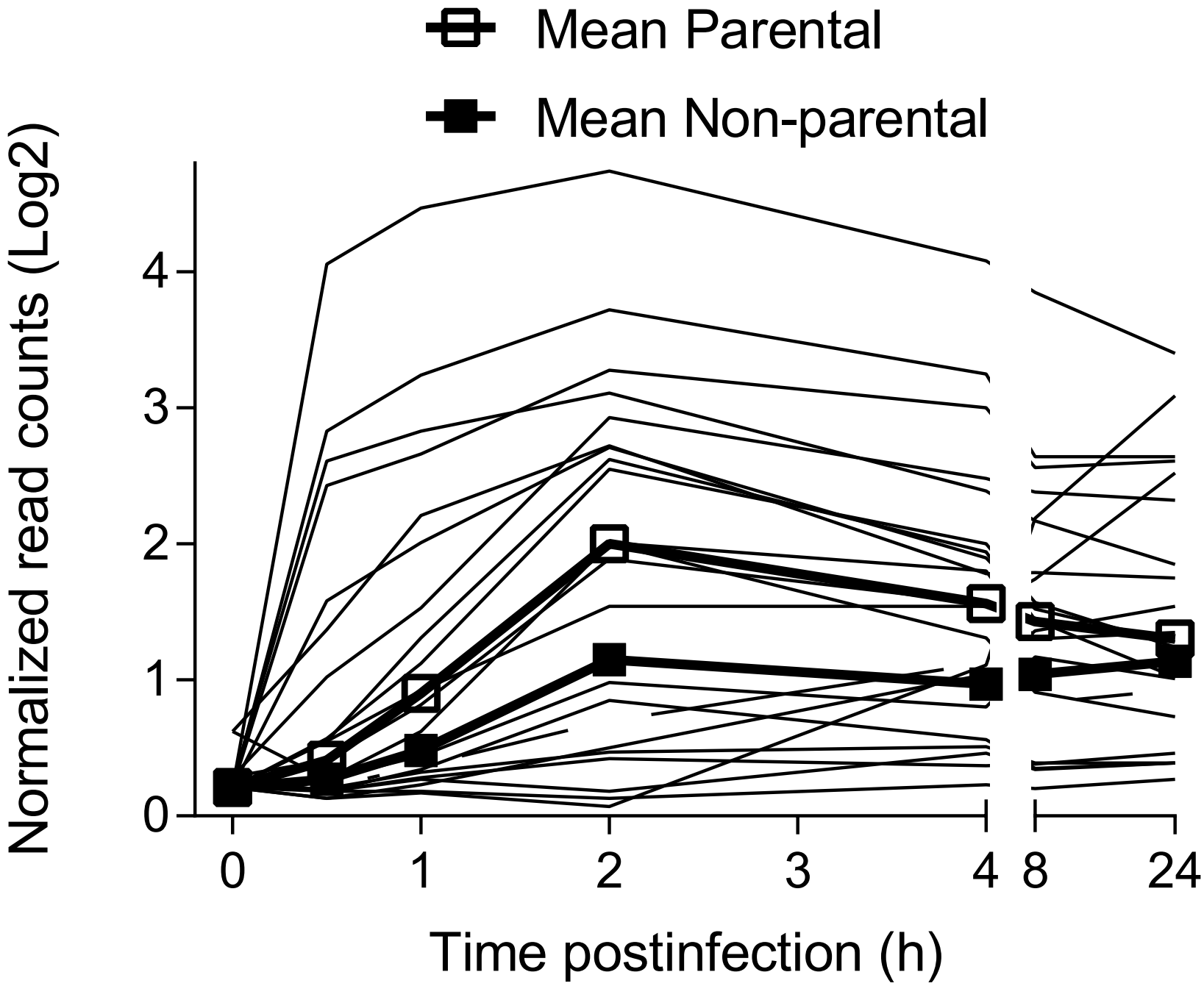

Supplementary Figure 3