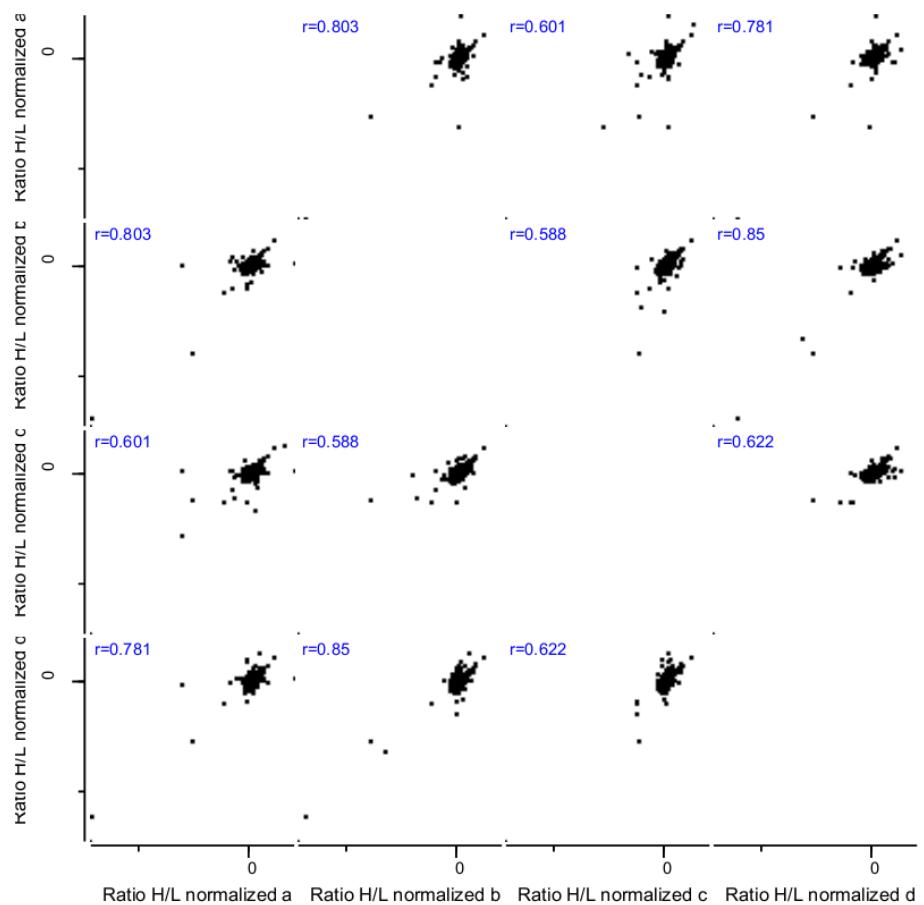


Supplementary Figure 1: The electron microscopy structure of fibrillar A β



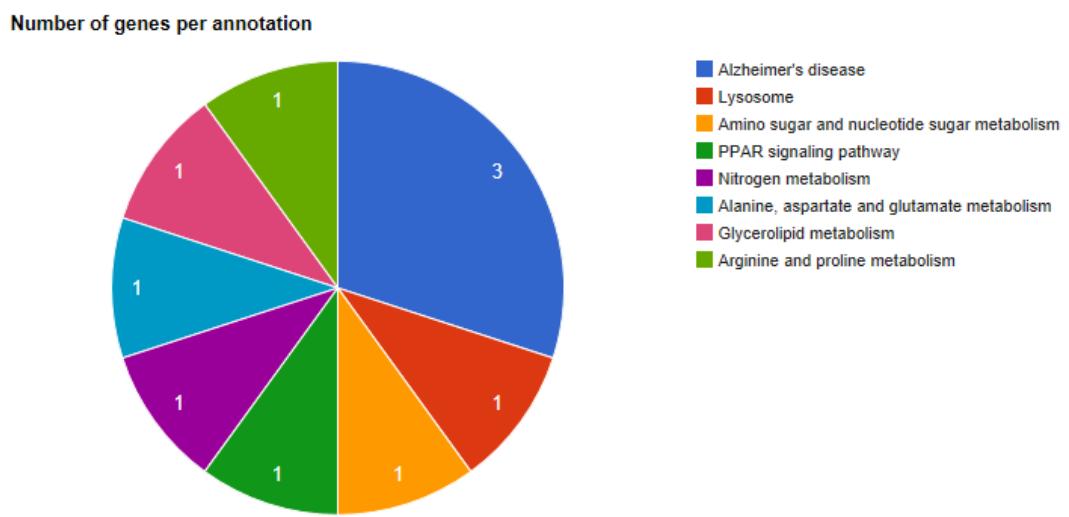
Followed by A β incubation (1 mM) for 24 h at 37°C, 5 μ l A β (1 mg/ml) were added to 300-mesh copper grids with carbon support film, then the samples were stained with 2% phosphotungstic acid, and the grids were analysed by transmission electron microscopy at 120kV (Tecnai G² 20, Hong Kong).

Supplementary Figure 2: Reproducibility across biological replicates



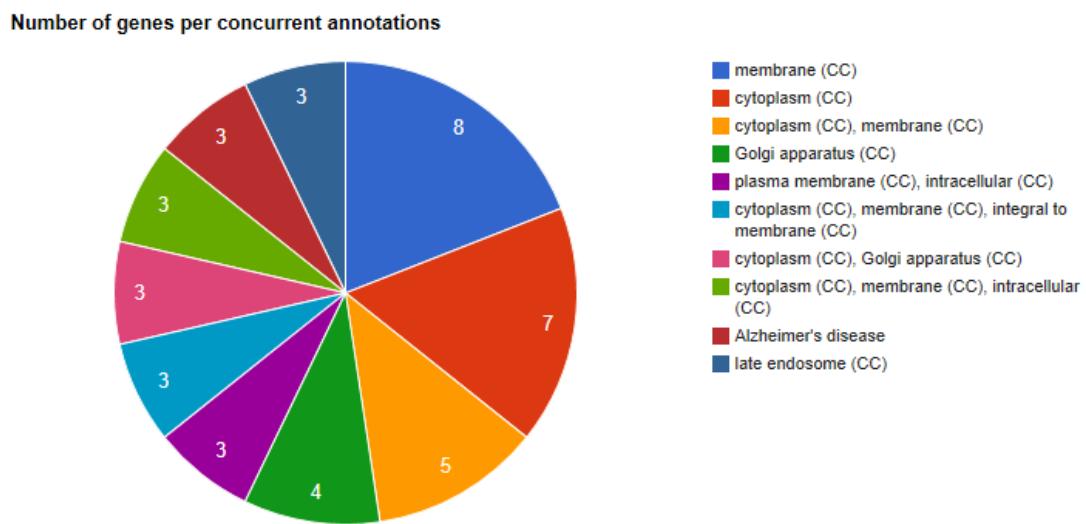
The reproducibility of SILAC quantification of the biological replicates is illustrated by the protein ratio correlations.

Supplemental Figure 3



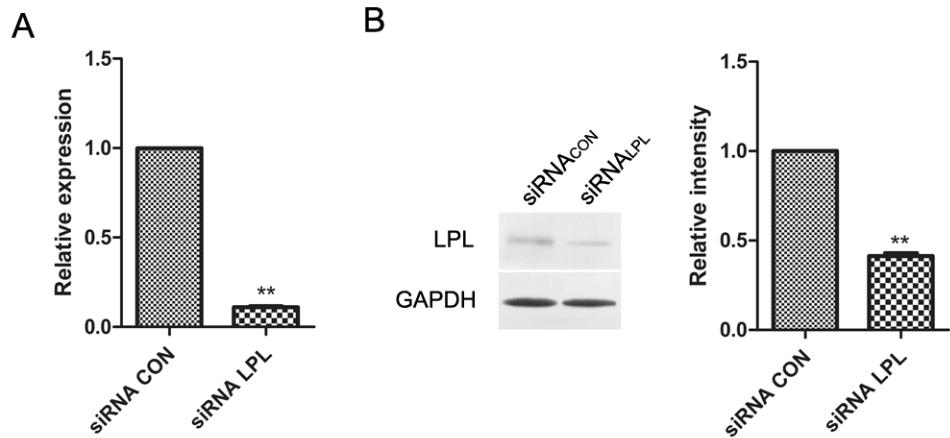
KEGG pathway analysis of 13 differentially expressed proteins using GeneCodis 3.

Supplemental Figure 4



GO Cellular Component analysis of 13 differentially expressed proteins using GeneCodis 3.

Supplementary Figure 5: The inhibition efficiency of LPL knockdown



BV2 cells were transfected with 10 nM siRNA specific for LPL (siRNA_{LPL}) and control siRNA (siRNA_{CON}) for 36 h.

A: The mRNA of the cells were extracted by Trizol reagent as the provided standard protocol. Quantitative PCR (qPCR) of LPL was executed using these cDNA reverse-transcribed by mRNA. LPL mRNA level examined showed significant changes after knock-down. *B:* The cells were washed in cold PBS three times, harvested using 4% SDS lysis buffer. The bands of Western blotting were analysed by Image J, and the relative gray-scale was presented by the bar. (** $p < 0.01$; comparison against control siRNA teams, two-tailed t test.). Bars, means \pm S.D. (n= 3).

Supplemental Figure 6

Among 13 significantly altered proteins detected in our SILAC quantitation results, 5 proteins were found to be single peptide identification (Trim23, CD63, HIC2, Slc6a17, and Slc23a3). The annotated spectra are provided for these 5 proteins as below:

Scan number

6385

Raw file

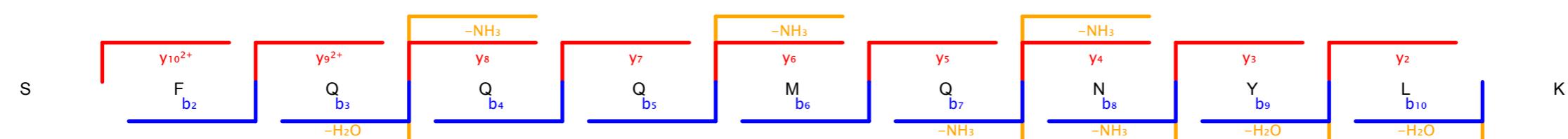
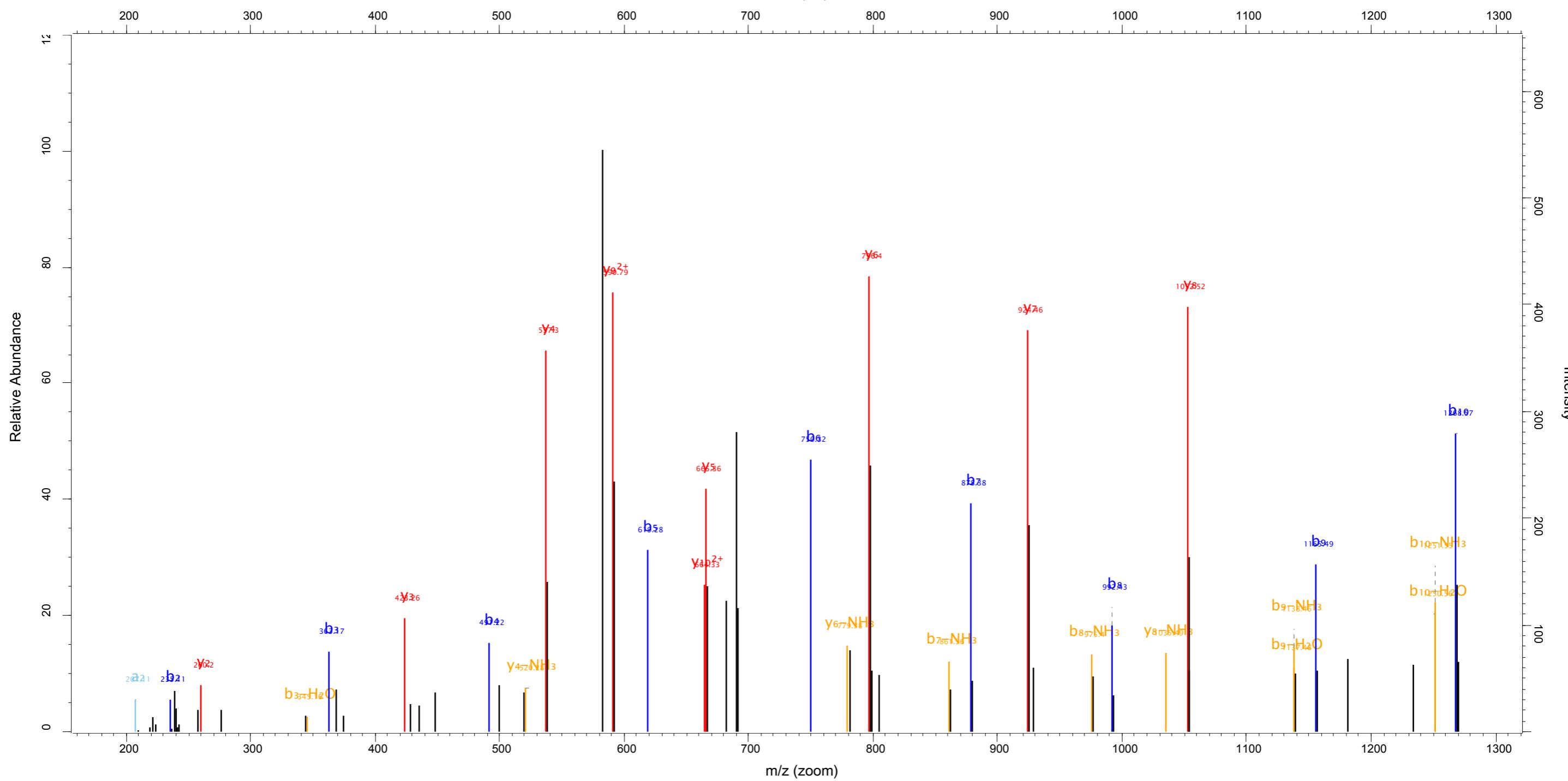
2_19

Method

ITMS; CID

Genenames

Cd63

 m/z (full)

Scan number

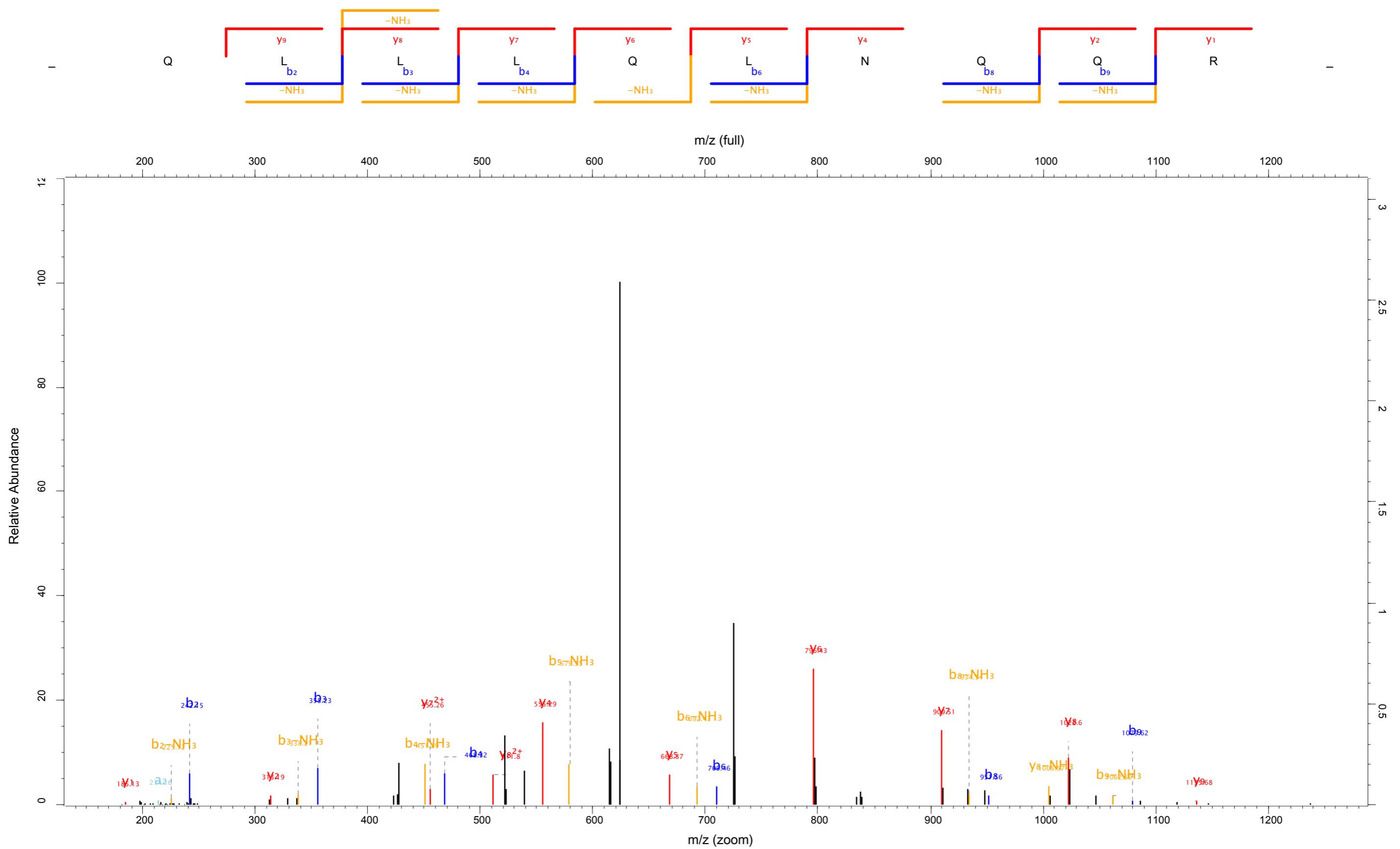
5741

Raw file

4_21

Method

ITMS; CID



Scan number

5743

Raw file

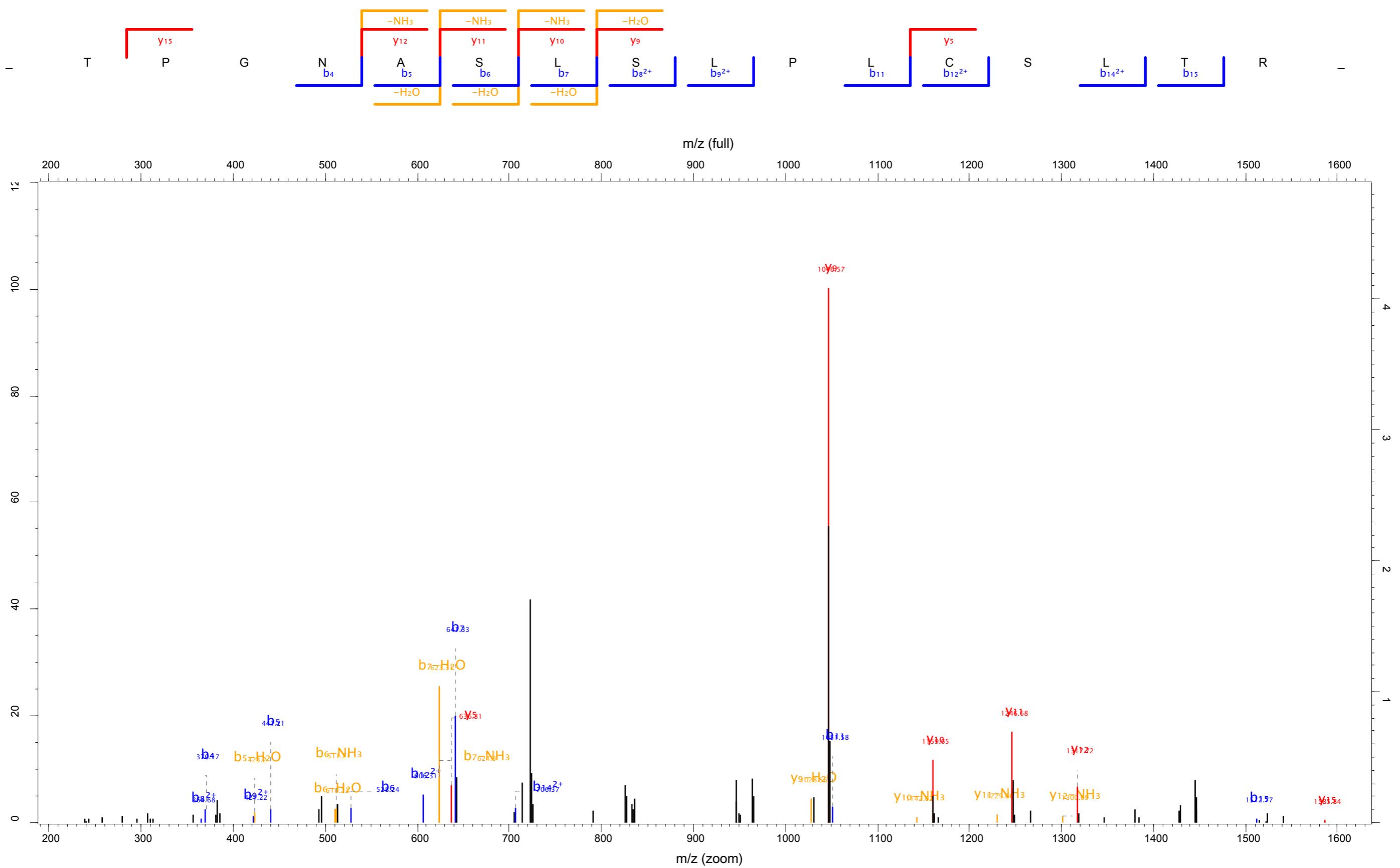
2-2

Method

ITMS; CID

Genenames

Slc23a



Scan number

6299

Raw file

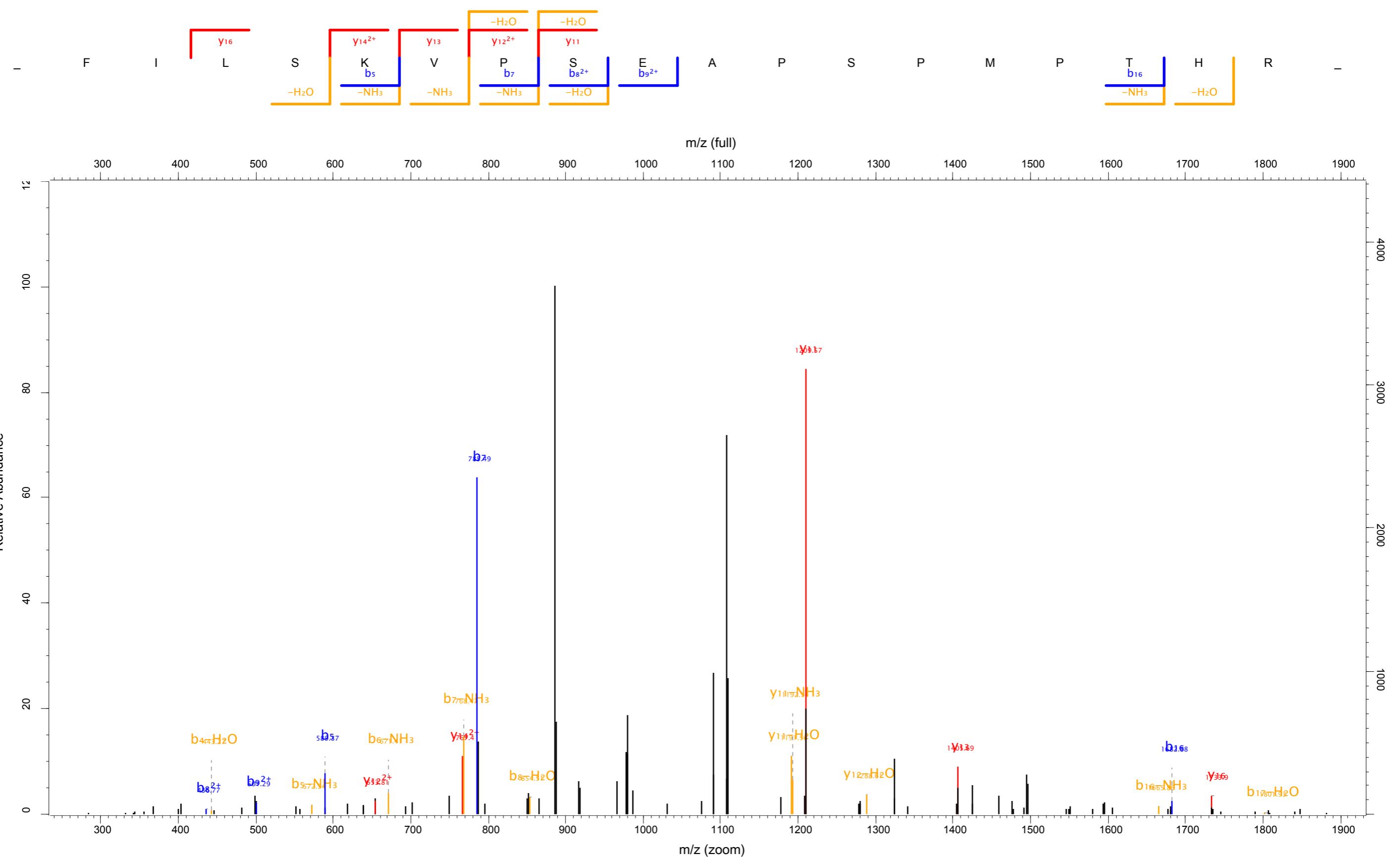
1_03

Method

ITMS; CID

Genenames

Slc6a17



Scan number

8134

Raw file

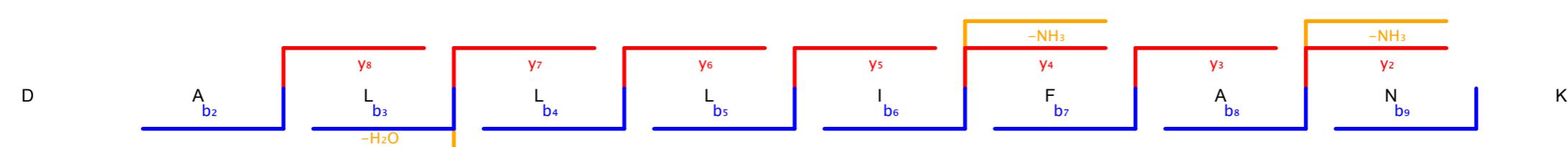
3_06

Method

ITMS; CID

Genenames

Trim23



m/z (full)

