

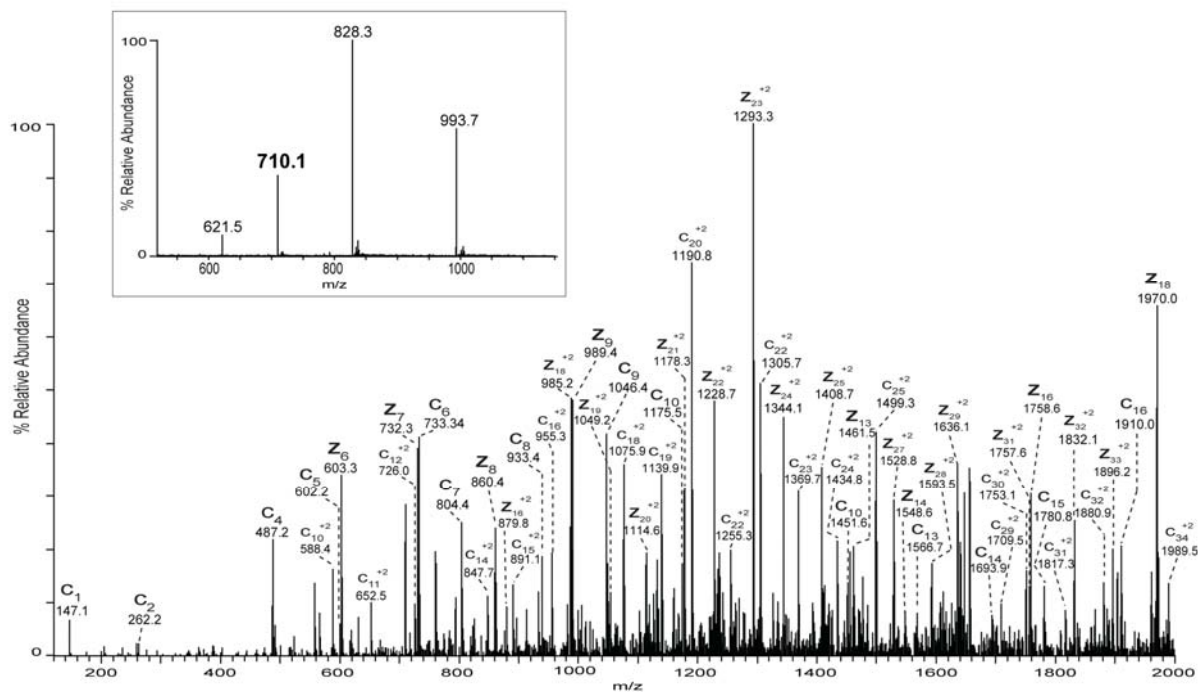
SUPPLEMENTAL INFORMATION**Spatially-Directed Protein Identification from Tissue Sections by Top-Down LC-MS/MS with
Electron Transfer Dissociation****Kevin L. Schey, David M. Anderson, and Kristie L. Rose**

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Abstract: The supplemental information provided in this document provides further support of the spatially-directed tissue extraction method. Specifically, this supplemental information contains two ETD tandem mass spectra showing abundant sequence ions used to identify proteins from tissue extracts.

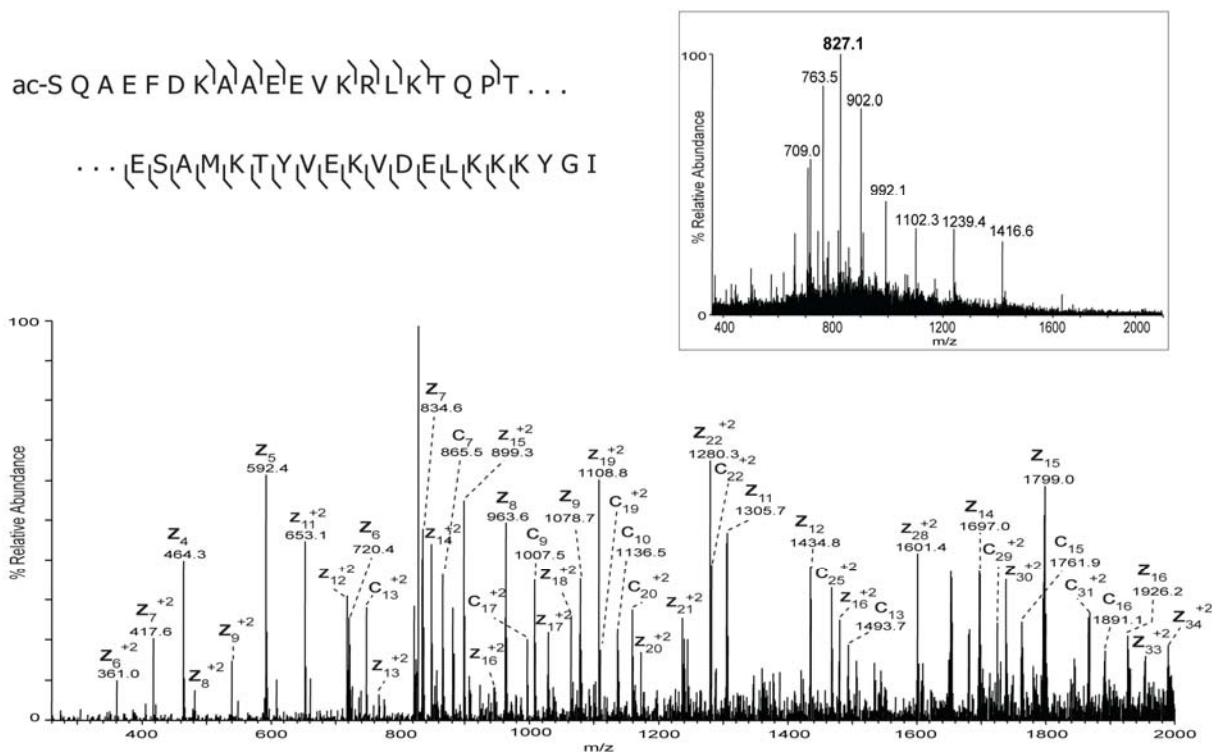
ac-S¹D¹K P¹D¹M¹A¹E¹I¹E¹K¹F¹D¹K¹S¹K¹L¹K¹K¹T¹E¹T¹Q¹E¹K¹N P¹L P¹S¹K¹E¹T¹I¹E¹Q¹E¹K¹Q A G E S



Supplemental Figure 1. ETD MS/MS spectrum of the $[M+7H]^{+7}$ precursor ion (m/z 710.1) of thymosin β 4. The observed distribution of this protein is displayed in blue (m/z 4963) in the MALDI image of mouse brain (Figure 2).

ac-S Q A E F D K A A E E V K R L L K T Q P T . . .

. . . E S A M K T Y V E K V D E L K K K Y G I



Supplemental Figure 2. ETD MS/MS spectrum of the [M+12H]¹²⁺ precursor ion (m/z 827.1) of Acyl CoA-binding protein. The observed distribution of this protein is displayed in blue (m/z 9914) in the MALDI image of mouse kidney (Figure 3).