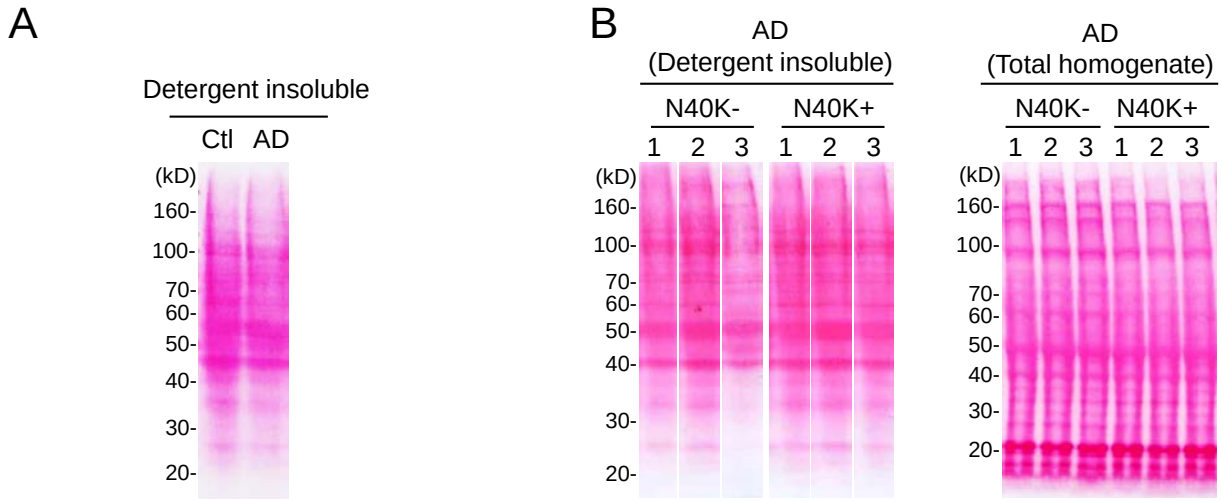
Integrated Approaches for Analyzing U1-70K Cleavage in Alzheimer's disease

Bing Bai[*], Ping-Chung Chen[*], Chadwick M. Hales[#], Zhiping Wu[*], Vishwajeeth Pagala[%], Anthony A. High[%], Allan I. Levey[#], James J. Lah[#], and Junmin Peng[*, %, &]

Supporting Information:



Ponceau S staining for figure 1B

Ponceau S staining for figure 1D

Figure S1. Protein loading on Western blots shown by Ponceau S staining.

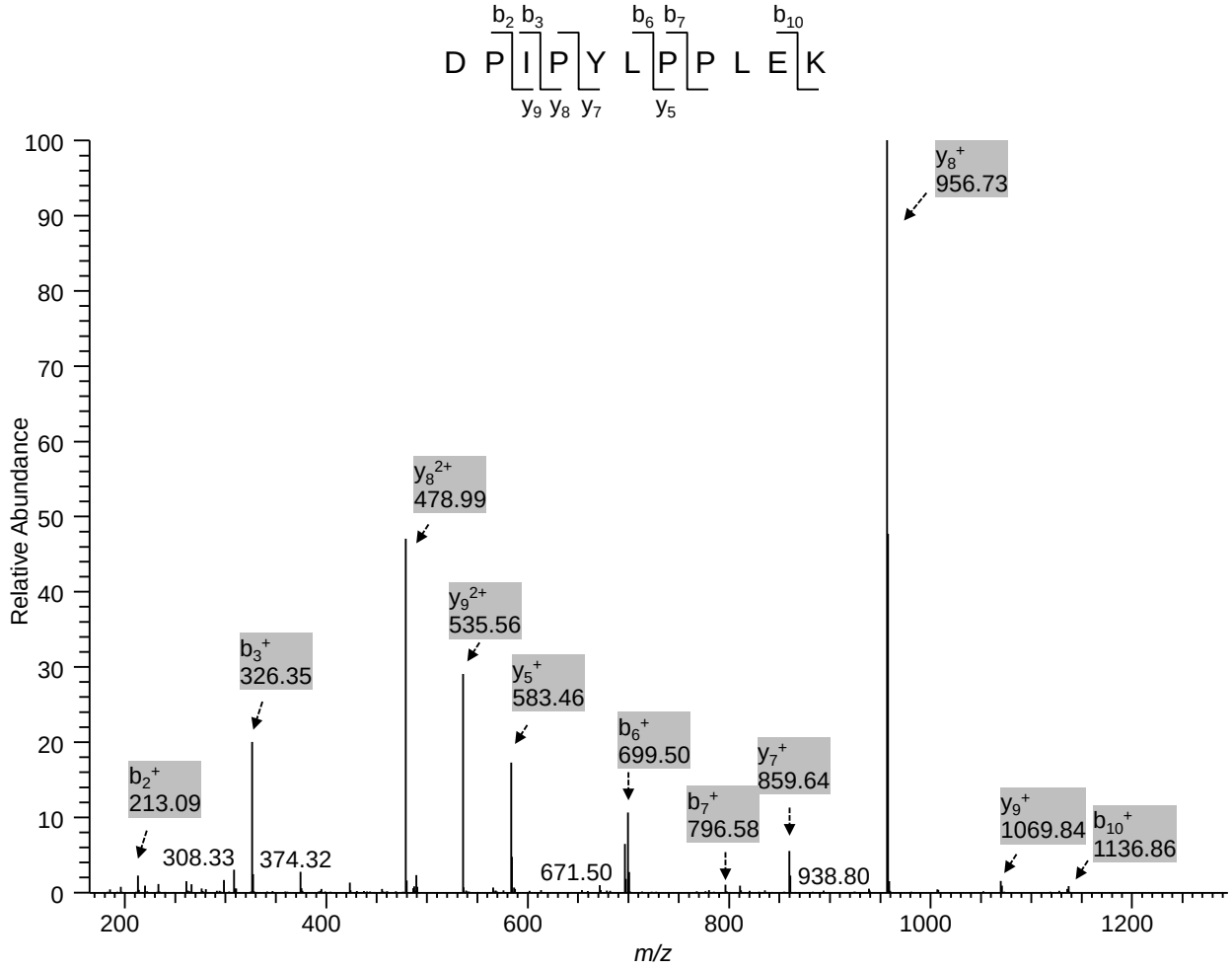


Figure S2. MS/MS spectrum from recombinant U1-70K.

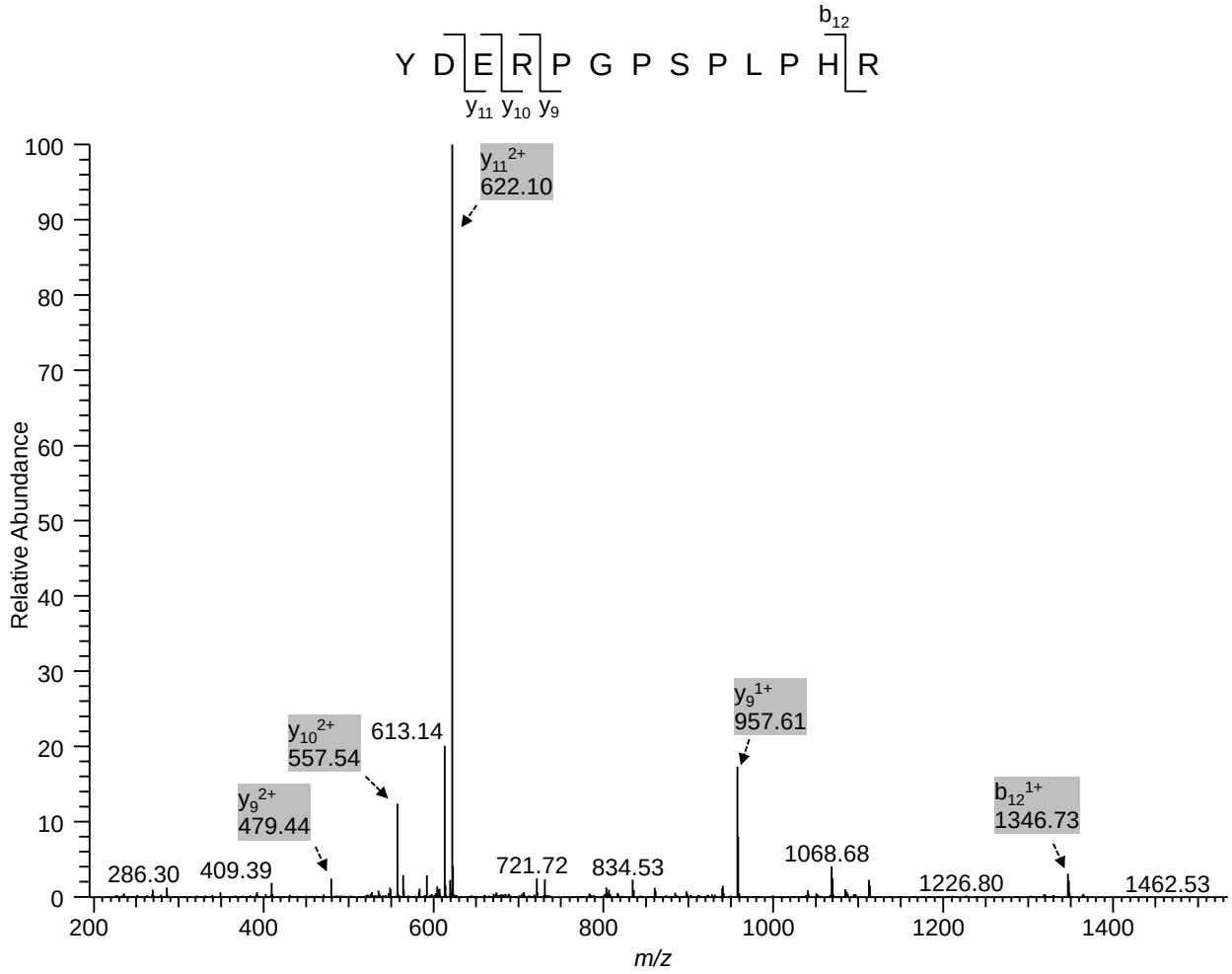


Figure S3.MS/MS spectrum from recombinant U1-70K.

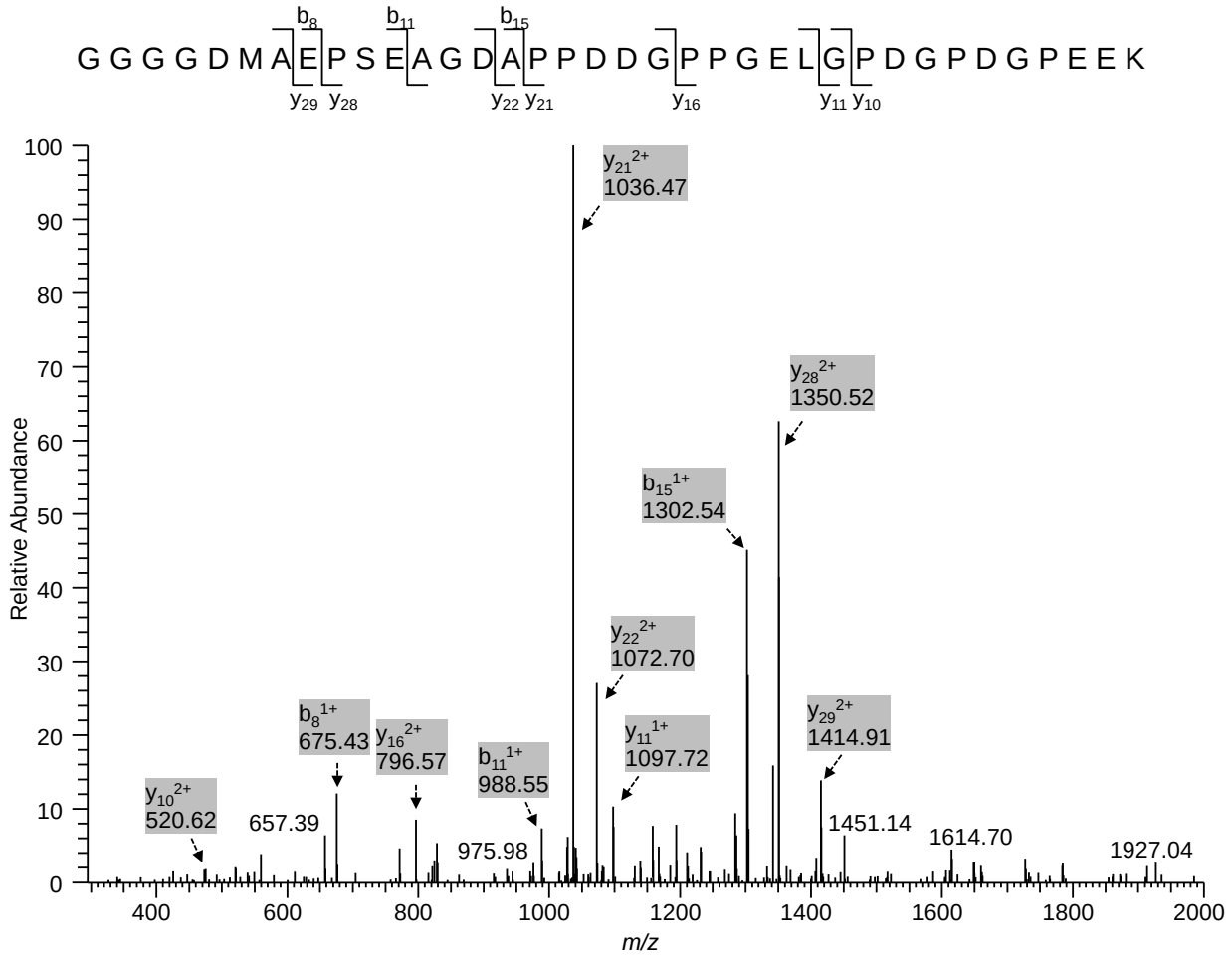


Figure S4. MS/MS spectrum from recombinant U1-70K.

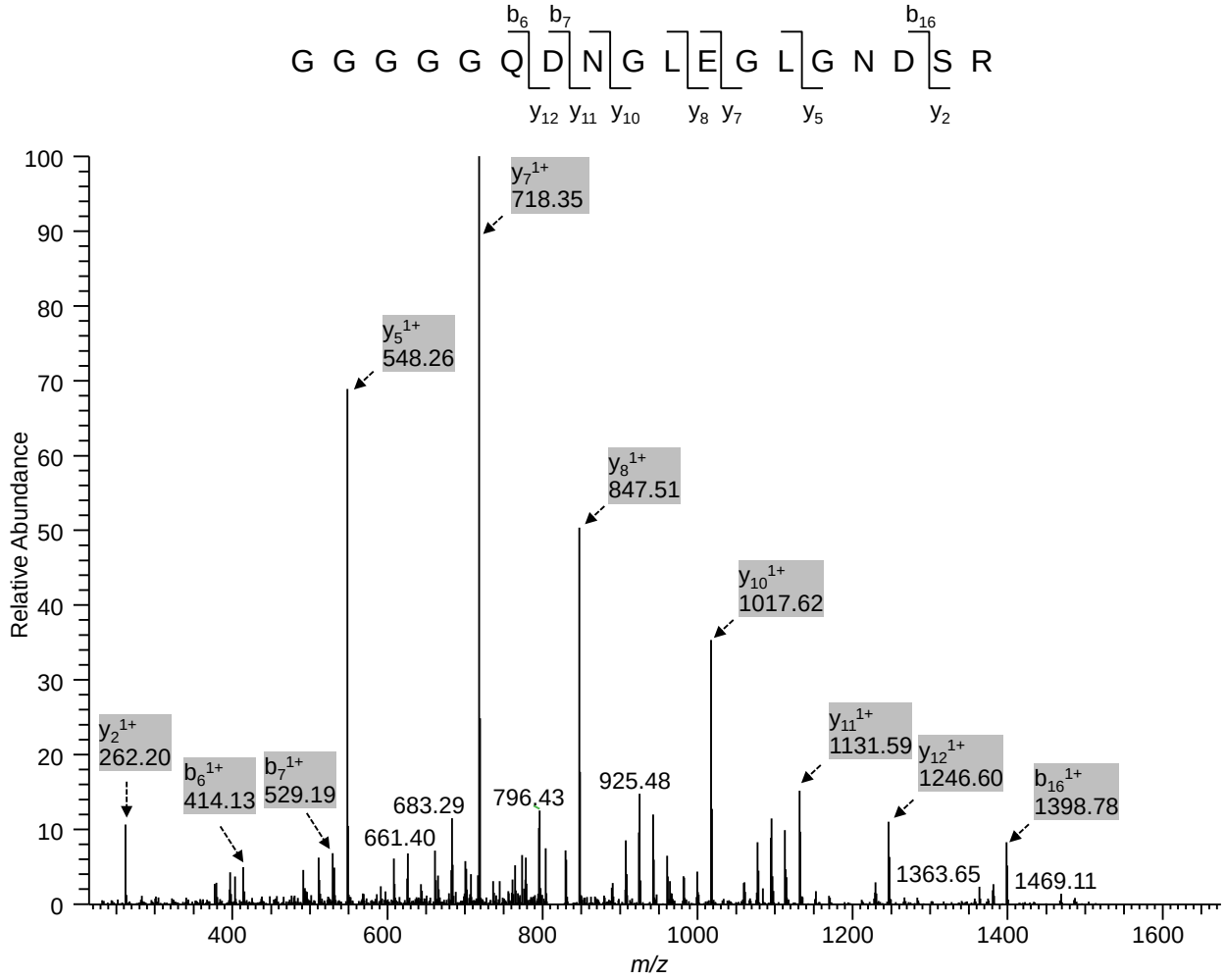


Figure S5. MS/MS spectrum from recombinant U1-70K.

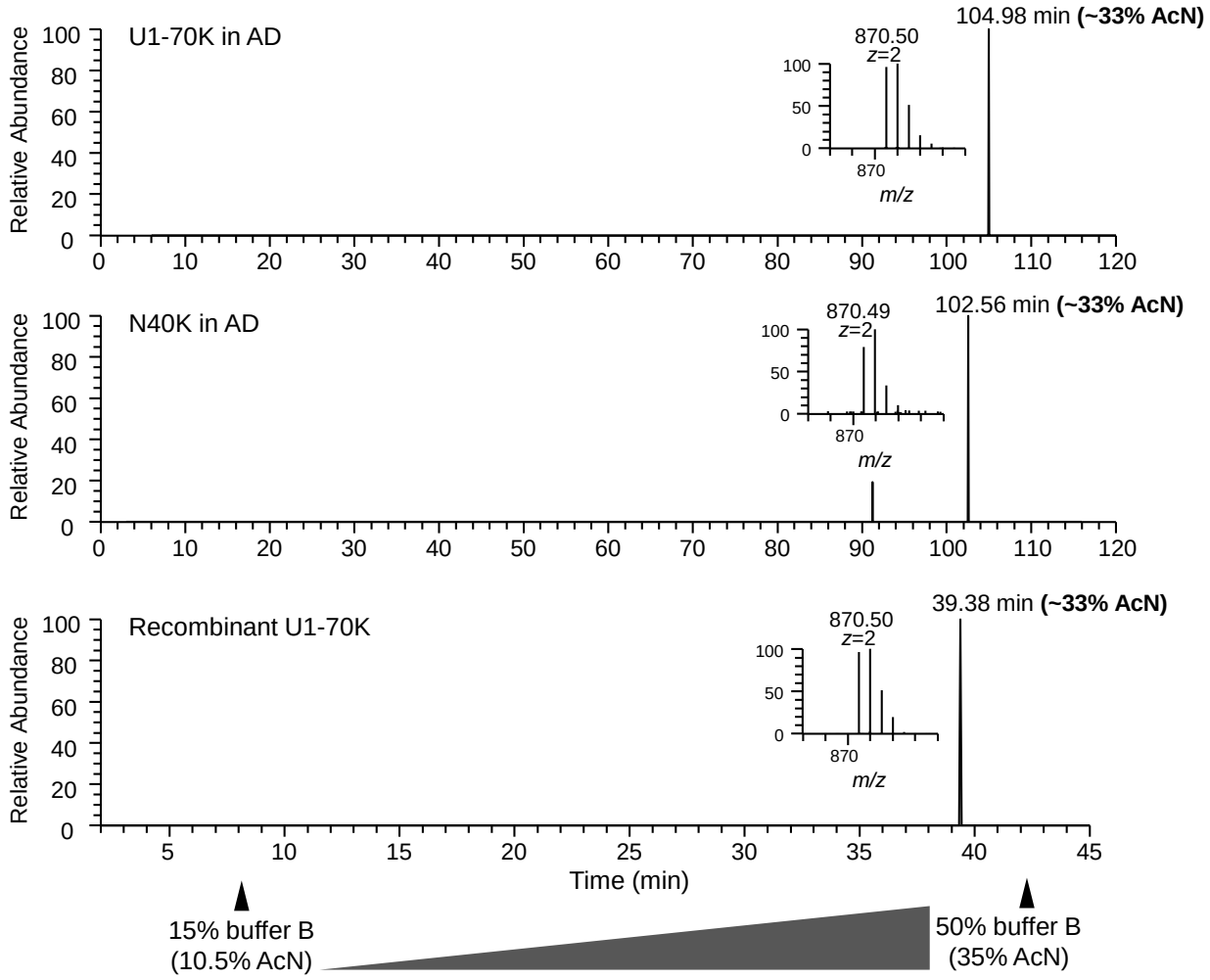


Figure S6. Retention times of the N-terminal peptide during LC-MS/MS analysis of three samples: AD U1-70K, AD N40K and recombinant U1-70K. The AD samples were eluted in a 100 min gradient and the recombinant protein was analyzed in a 35 min gradient. The N-terminal peptide was eluted at the same concentration of acetonitrile (~33% AcN). The isotopic patterns of the peptide in the three runs were similar as well (inserted images).