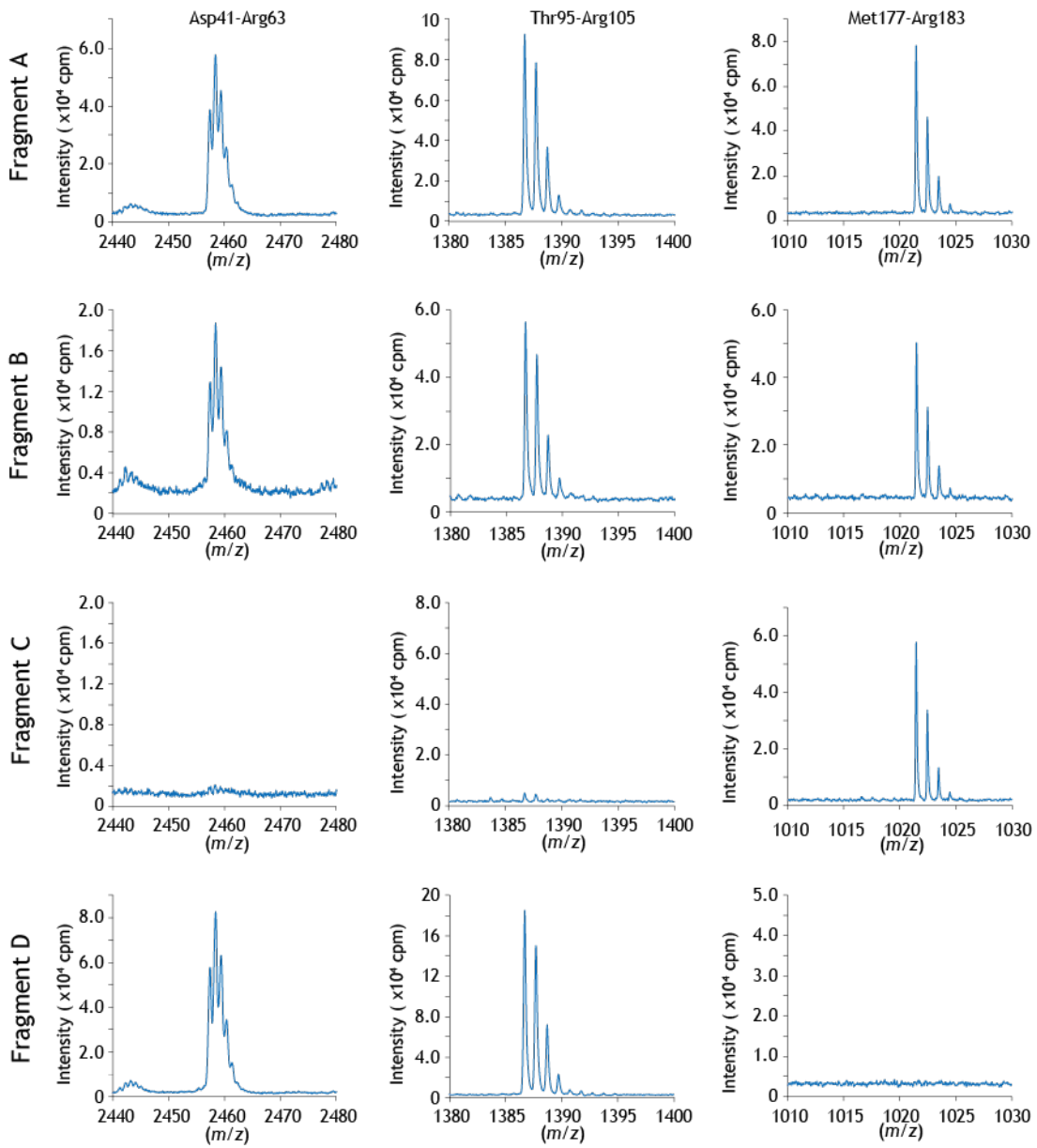


Summary A



Summary. Characterization of the partial digests of the 49-kDa subunit by MALDI-TOF MS. (A) MALDI-TOF MS spectra of the of the fragments of the 49-kDa subunit. The three fragments of the 49-kDa subunit (the fragment *A*, *B*, *C*, and *D* in Figure 5A) were digested by a mixture of Lys-C/trypsin. The digests were characterized by MALDI-TOF MS. The MS spectra at m/z 2457.3, 1386.7, and 1021.4 were compared with each other. As the fragment B comigrated with the peptide Ara1–E115 (Figure 5C), the MS spectra contained peaks at m/z 2457.3 and 1386.7, which corresponds to the tryptic digests Asp41-Arg63 and thr95-Arg105, respectively. (B) MALDI-TOF/TOF spectra of precursor at m/z 2457.3, 1386.7 and 1021.4. The fragment ion spectra of the precursor ions at m/z 2457.3, 1386.7, and 1021.4 were matched the sequence Asp41-Arg63 (ion score: 16) Thr95-Arg105 (ion score: 57), and Met187-Arg183 (ion score: 22), respectively.