

Analytical and Bioanalytical Chemistry

Electronic Supplementary Material

Direct profiling of the phospholipid composition of adult *Caenorhabditis elegans* using whole-body imaging mass spectrometry

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EIC (negative ion mode)

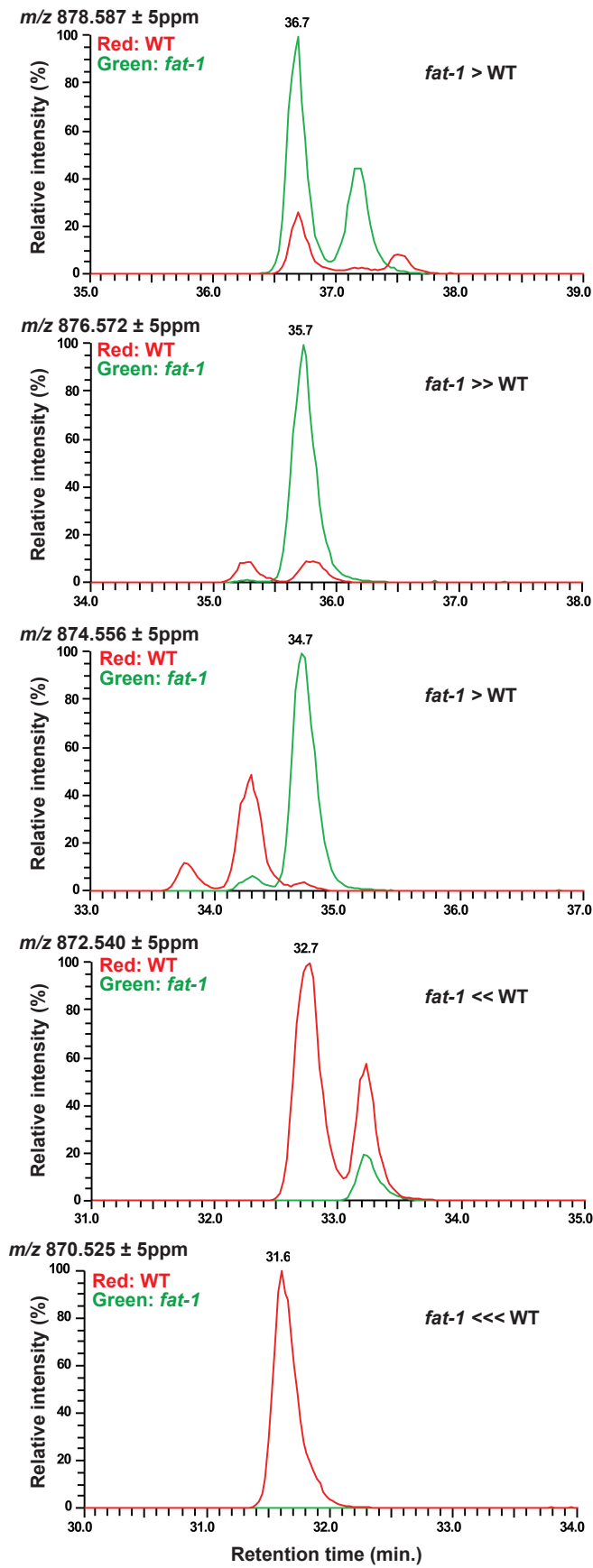


Fig. S1 Merged EICs acquired through the scanning between m/z 700 to 900 by a hybrid quadrupole-Orbitrap mass spectrometer in negative ion mode. Red, WT; green, *fat-1* mutant.

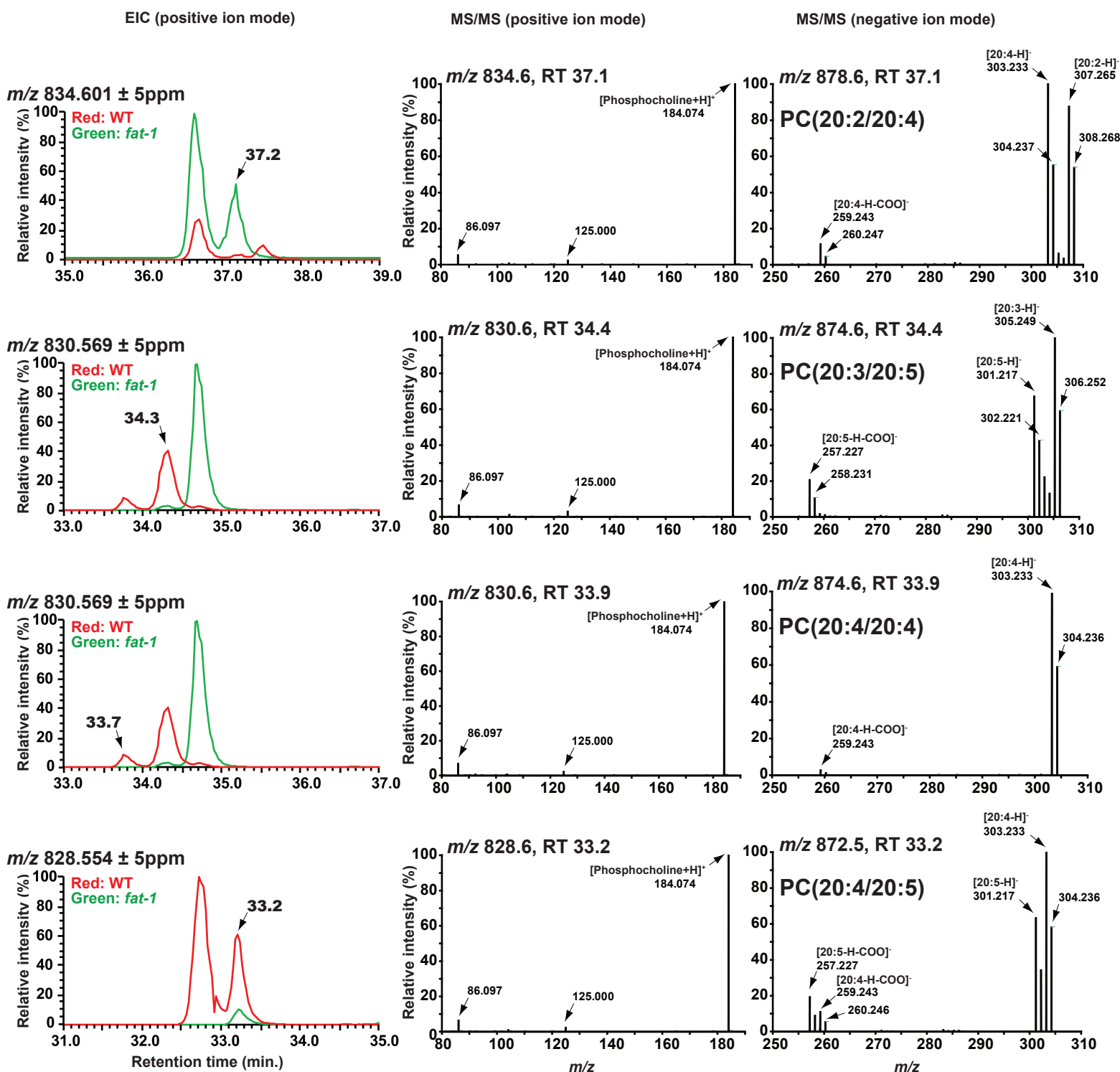


Fig. S2 (Left column) Merged EICs acquired through the scanning between m/z 700 to 900 by a hybrid quadrupole-Orbitrap mass spectrometer. Red, WT; green, *fat-1* mutant. (Middle column) MS/MS spectra at near peak top of picked peaks acquired by targeted MS/MS in positive ion mode. $[M+H]^+$ ions produced a common fragment ion at m/z 184.074 [phosphocholine+H]⁺. (Right column) MS/MS spectra at near peak top of picked peaks acquired by targeted MS/MS in negative ion mode. $[M+HCOO]^-$ ions produced fragment ions depending on their fatty acid composition.