

Supplemental Figure Legends:

Supplementary Figure 1. LTQ Orbitrap MS3 spectrum of the MH-H₃PO₄ doubly charged 703.2 ion. The MH ion was observed at 752.36 with Ser⁹²¹ phosphorylated. The peptide spanning residues 917 to 930 was isolated from a chymotryptic digest following TiO₂ enrichment.

Supplementary Figure 2. LTQ Orbitrap MS/MS spectrum of the MH doubly charged 1047.4 ion. The peptide spanning residues 954 to 971 was isolated from an endopeptidase Lys C digest following TiO₂ enrichment. Ser⁹⁶¹ was phosphorylated.

Supplementary Figure 3. LTQ Orbitrap MS/MS spectrum of the MH triply charged 545.56 ion. The peptide spanning residues 940 to 953 was isolated from an endopeptidase Lys C digest following TiO₂ enrichment. Ser⁹⁴⁹ was phosphorylated. Spectra insets contain the indicated expanded mass region.

Supplementary Figure 4. LTQ Orbitrap MS/MS spectrum of the MH doubly charged 857.82 ion. The peptide spanning residues 940 to 953 was isolated from an endopeptidase Lys C digest following TiO₂ enrichment. Both sites Ser⁹⁴⁶ and Ser⁹⁴⁹ were phosphorylated. Spectra insets contain the indicated expanded mass region.

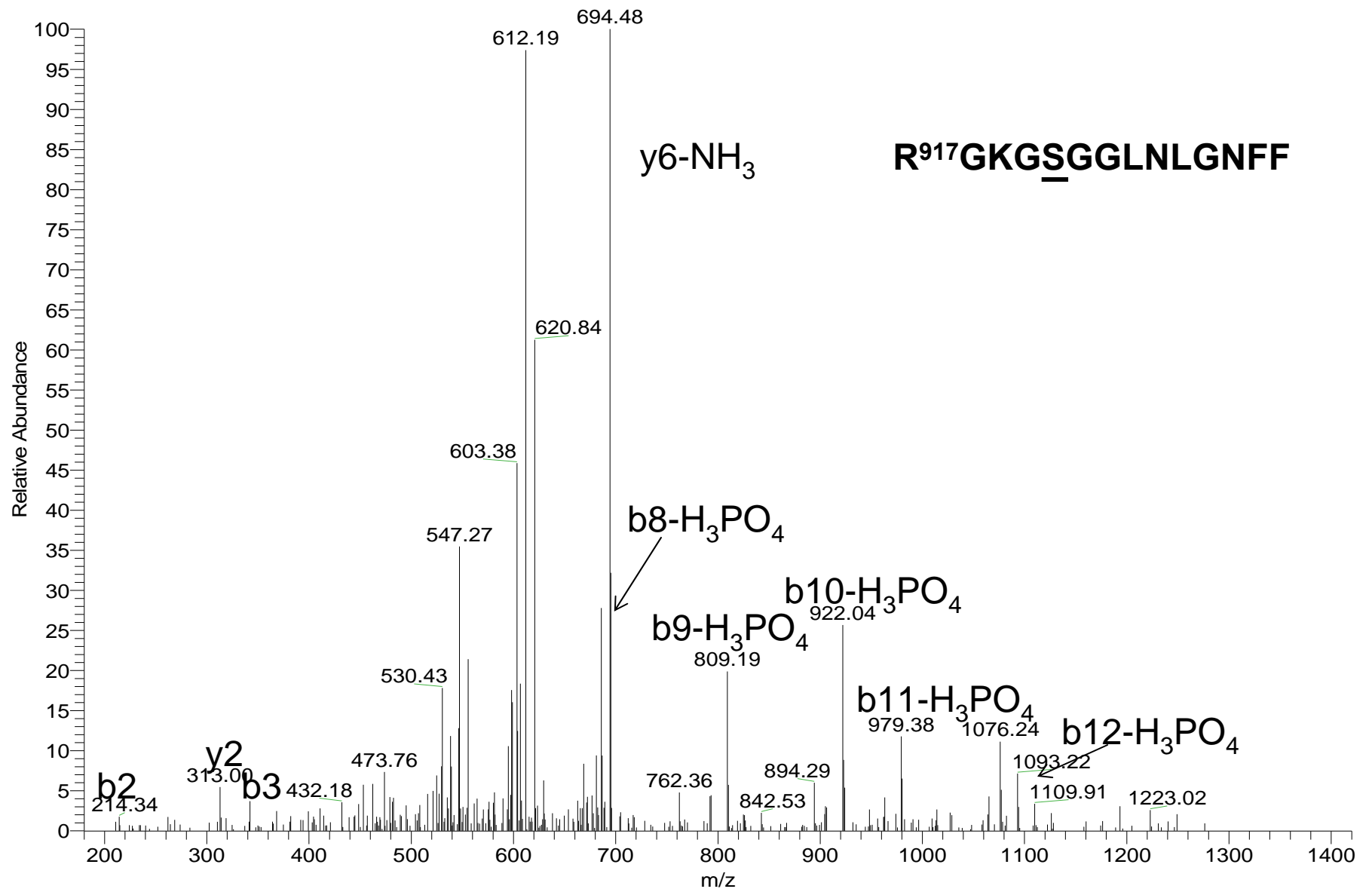


Fig.Sup_1

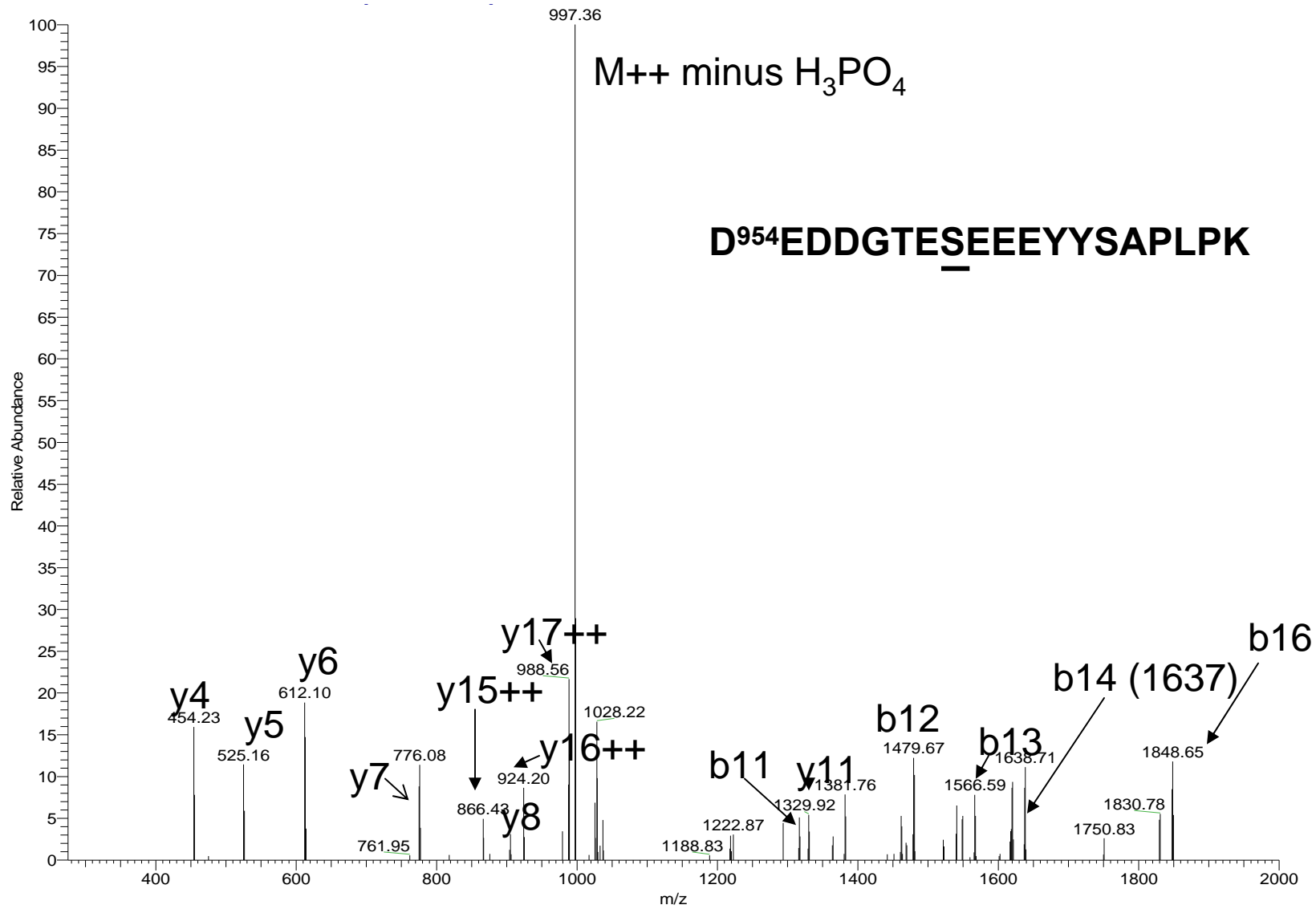
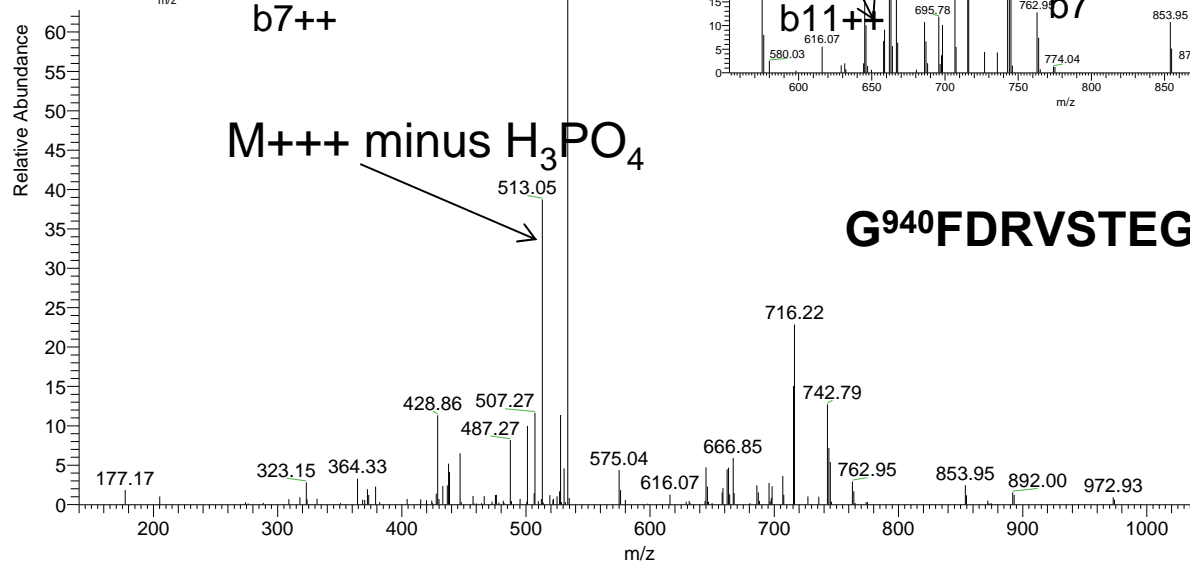
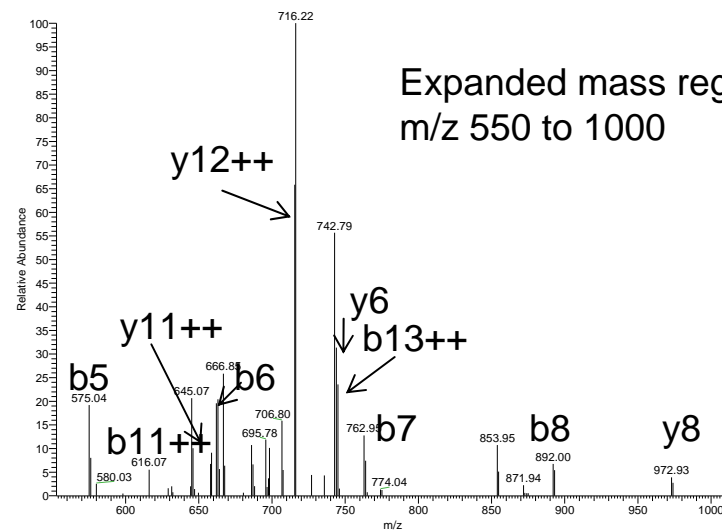
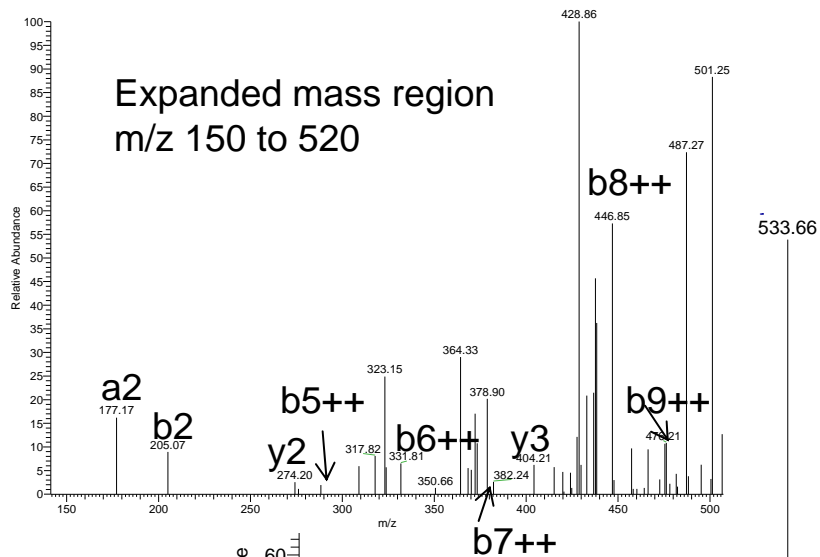


Fig.Sup_2



G⁹⁴⁰FDRVSTEGSDQEK

Fig.Sup_3

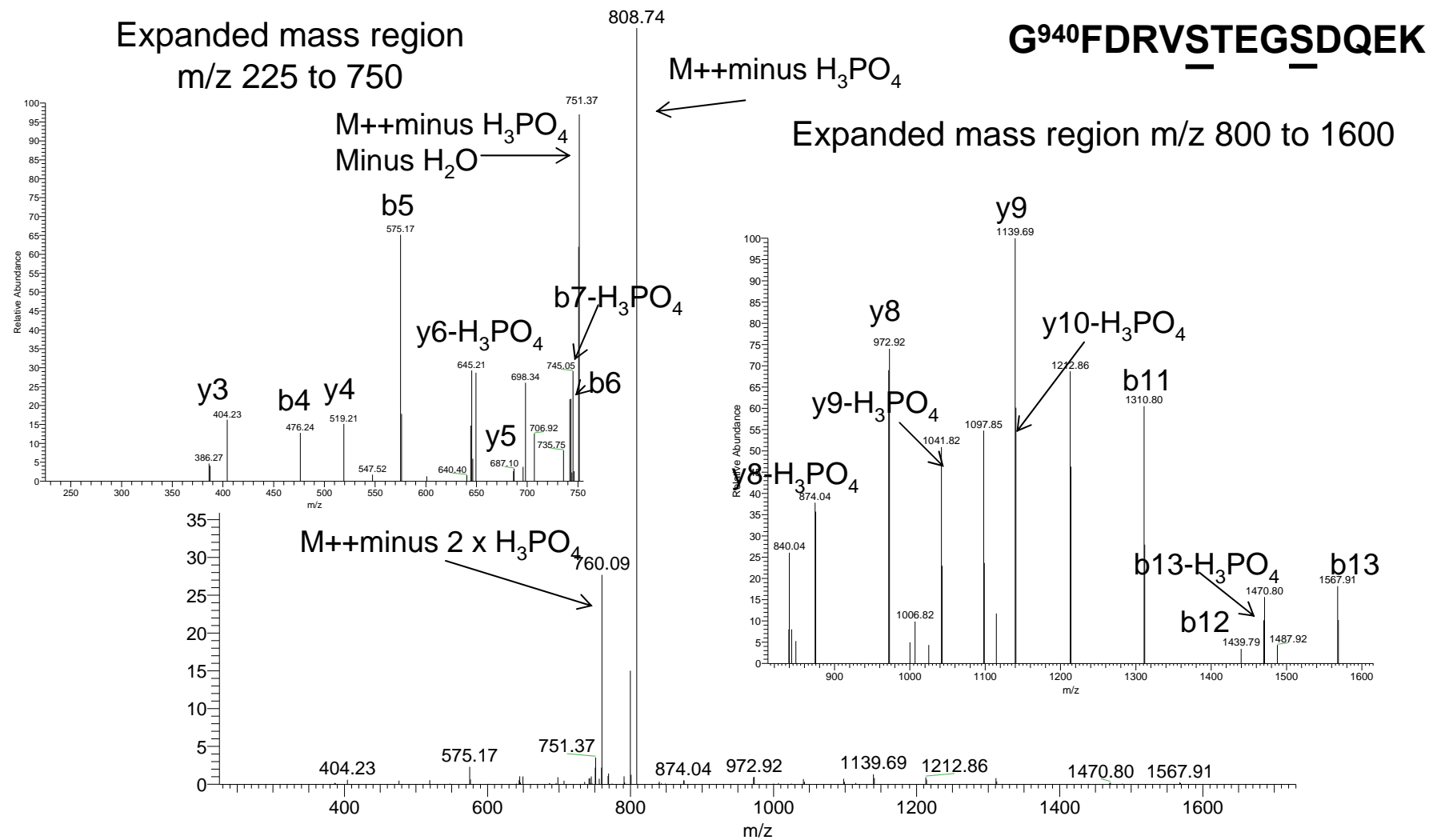


Fig.Sup_4