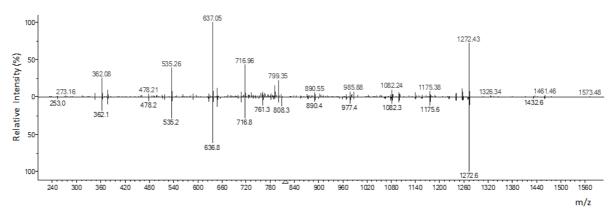
Supplementary Information

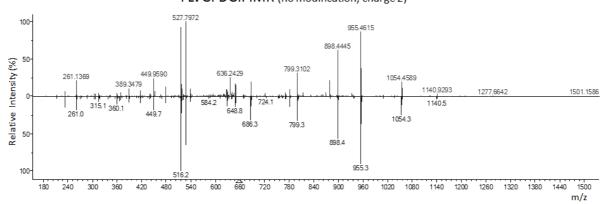
- a. Experimental MS/MS spectra assigned for human glutathione peroxidase 3 selenoprotein peptides in this study (top portion) and comparison with consensus spectra from the NIST Peptide Mass Spectral Library (bottom portion).
- b. Experimental MS/MS spectra assigned for human selenoprotein P peptides in this study (top portion) and comparison with consensus spectra from the NIST Peptide Mass Spectral Library (bottom portion).

a. Glutathione peroxidase 3 peptides

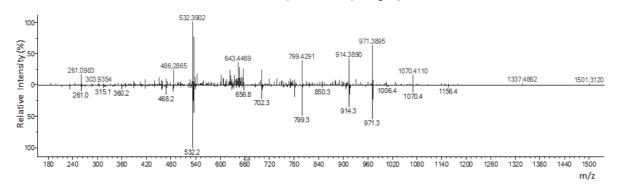
NSC#PPTSELLGTSDR (Carbamidomethyl Cys, charge 2)

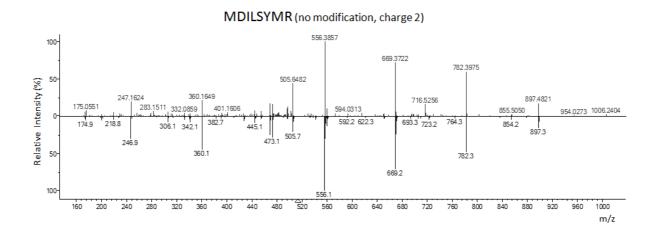


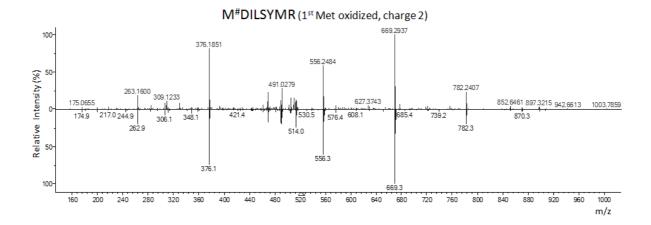
FLVGPDGIPIMR (no modification, charge 2)

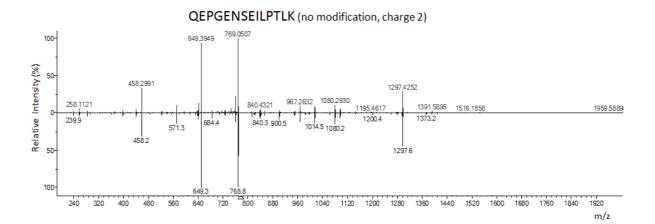


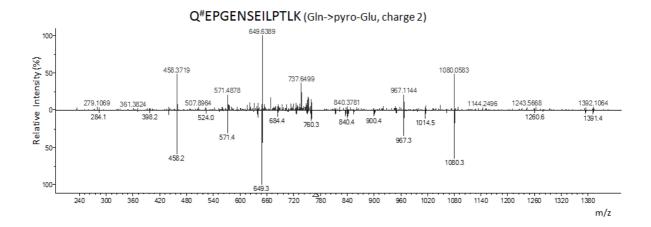
FLVGPDGIPIM#R (Met oxidized, charge 2)

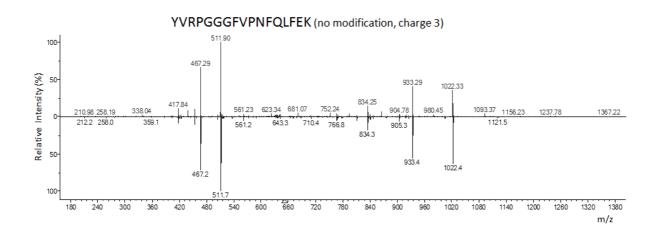




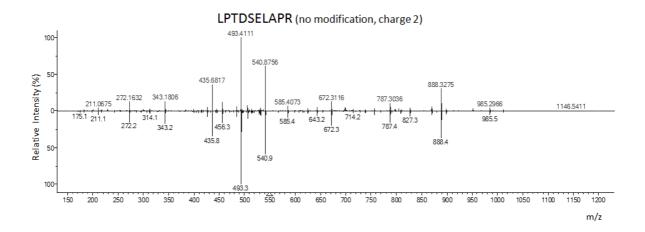


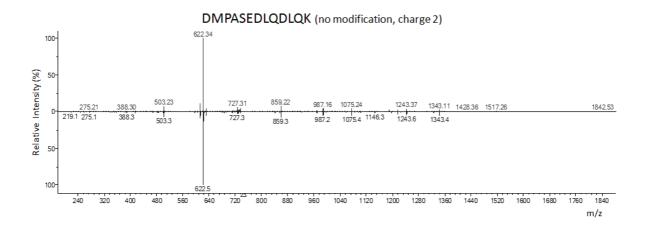


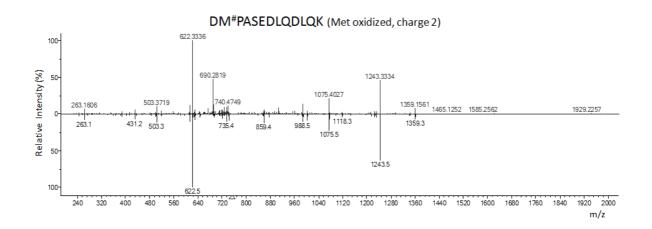




b. Selenoprotein P peptides







VSLATVDK (no modification, charge 1)

