Supplementary Material MS spectra of all SFPQ modifications

S(dimeR)GGGGGGFHR



S(dimeR)GGGGGGFHR







F(dimeR)S(dimeR)GGGGGGFH(meR)



(Rdime)GGGGG(dimeR)GGLHDFR



GMGPGTPAGYG(meR)GR



GMGPGTPAGYG(meR)



S(heavy dimeR)GGGGGGFHR



(heavy dimeR)GGGGG(heavy dimeR)GGLHDFR





GMGPGTPAGYG(heavy meR)GR





S<u>Cit</u>GGGGGGFHR



SCitGGGGGGFHR

RGGGGGGCitGGLHDFR



Mass spectrometry analysis of citrullinated PSF. ESI TOF MS spectra of in vitro citrullinated PSF using PADI4 in the presence of 50% in the presence of 50% H₂¹⁸O. The ESI MS spectra of the citrullinated peptides A) SCitGGGGGGFHR [M+2H]²⁺ B) RGGGGGCitGGLHDFR, C) GGGGGCitGGLHDFR and D) CitGGGGGCitGGLHDFR modified peptides [M+2H]²⁺ The characteristic isotopic distribution was used to verify citrullinated peptides from PSF.











Deamidated R12, Methyl R14; 69.66%





Deamidated R14, R25, Methyl R12; 97.74%









