Supplemental Figure 1. MS/MS spectra from eIF3 showing in vivo phosphorylation of Prt1 at S61 and T746 and Tif5 at T191. (A) An MS/MS spectrum generated from trypsin-digested eIF3 showing in vivo phosphorylation of a Prt1 peptide at S61. The spectrum significantly matched the trypsingenerated peptide of Prt1 (Sequest Xcorr = 5.5). The spectrum shows the addition of 80 Da in the m/z values for the y_{8-15} and b_{15-16} ions. The m/z value of the most prominent ion corresponds to the neutral loss of phosphoric acid (+2) from the precursor ion of 1184.18 (+2). (B) An MS/MS spectrum generated from chymotrypsin-digested eIF3 showing in vivo phosphorylation of a Prt1 peptide at S61. The spectrum significantly matched the chymotrypsin-generated peptide of Prt1 (Sequest Xcorr = 4.0). The spectrum shows the addition of 80 Da in the m/zvalues for the y_{7-16} ions. The m/z value of the most prominent ion corresponds to the neutral loss of phosphoric acid (+2) from the precursor ion of 1362.8 (+2). (C) An MS/MS spectrum generated from trypsin-digested eIF3 showing in vivo phosphorylation of a Prt1 peptide at T746. The spectrum significantly matched the trypsin-generated peptide of Prt1 (Sequest Xcorr = 3.5). The spectrum shows the addition of 80 Da in the m/z values for the y_{14-16} and b_{16} ions. The m/zvalue of the most prominent ion corresponds to the neutral loss of phosphoric acid (+2) from the precursor ion of 1661.1 (+2). (D) An MS/MS spectrum generated from trypsin-digested eIF3 showing in vivo phosphorylation of a Tif5 peptide at T191. The spectrum significantly matched the trypsin-generated peptide of Tif5 (Sequest Xcorr = 4.2). The spectrum shows the addition of 80 Da in the m/z values for the y₁₉₋₂₄ and b₁₅₋₁₆ ions. The m/z value of the peak at 927.2 corresponds to the neutral loss of phosphoric acid (+3) from the precursor ion of 959.8 (+3).