FIGURE S3

FIGURE S3. MS/MS spectrum (simultaneous fragmentation of neutral loss product and precursor) for identification of vimentin in vitro phosphorylation site Ser459. The fragmentation spectrum derived from tryptic vimentin peptide is shown. The peptide sequence and the observed ions of the phosphopeptide (inset) are shown, with their spectrum. The tandem mass spectrum was labeled to show singly and doubly charged b and y ions, as well as ion corresponding to neutral losses of water (o), NH$_3$(*) and H$_3$PO$_4$ group (98Da). Fragment ions indicate a phosphorylation of Ser459 or Thr458, but it is not possible to distinguish between these two sites in this analysis, due to their close proximity.