



**Supplemental Figure 1.** Mass spectrometry analysis of *in vitro* phosphorylation sites of FLS2. LTQ-Orbitrap MS/MS spectra identifying FLS2 kinase *in vitro* phosphorylation sites. Each LTQ MS/MS spectrum also contains averaged Orbitrap spectra of its precursor ion with its observed mass and mass error from theoretically determined neutral mass. Both phosphorylated and its unmodified pair are represented.