



Supplemental Figure 1. Mass Spectrometry Identifications for ^{32}P -Labeled Succinyl-CoA Synthetase, α -subunit. A 2D gel electrophoresis overlay image of the Coomassie blue stained gel (green) and ^{32}P labeled gel (red) (A), based on four spatial reference markers. Panel B expands the region of interest using narrow-range isoelectric focusing strips (pH 8-11 Immobiline DryStrips), and shows ^{32}P incorporation relative to the seven different isoelectric variants. The Coomassie blue image in panel C represents a cold experiment run in parallel that was subsequently used to obtain mass spectrometry identifications. The inset table provides the relative distribution of SCS α protein content and the top four protein identifications for each isoelectric variant. Approximately 50% of SCS α is shifted relative to the native protein, with strong ^{32}P -incorporation observed for more than 25% of the protein.