Figure S2

Experiment 1

**Insoluble proteins from sperm-deficient [fem-1(-)] C. elegans**

Young  
**iTRAQ 114**  
Aged  
**iTRAQ 115**

Trypsin digestion & Peptide labeling with iTRAQ

Fractionation of peptides using Strong Cation Exchange (SCX)

Analysis by LC-MS/MS (nano-LC-ESI-Qq-TOF MS (QSTAR))

**Insoluble proteins from gonad-less [gon-2(-)] C. elegans**

Young  
**iTRAQ 116**  
Aged  
**iTRAQ 117**

Experiment 2

**Insoluble proteins from sperm-deficient [fem-1(-)] C. elegans**

Young  
**iTRAQ 114**  
Aged  
**iTRAQ 115**

Trypsin digestion & Peptide labeling with iTRAQ

Fractionation of peptides using Strong Cation Exchange (SCX)

Analysis by LC-MS/MS (nano-LC-ESI-Qq-TOF MS (QSTAR))

**Insoluble proteins from germline-less [glp-1(-)] C. elegans**

Young  
**iTRAQ 116**  
Aged  
**iTRAQ 117**