

Description of additional supplementary information

File: Supplementary Data 1.

Description: The quantified phosphoisoforms and identified phosphosites in this study.

File: Supplementary Data 2.

Description: Benchmark data sets for iFPS and the scores of the *C. elegans* phosphosites.

File: Supplementary Data 3.

Description: The *daf-2* regulated phosphoisoforms with the iFPS scoring and the DAF-16-dependent/independent subsets.

File: Supplementary Data 4.

Description: The *C. elegans* lifespan data.

File: Supplementary Data 5.

Description: Phosphosites on the IIS-related longevity proteins.

File: Supplementary Data 6.

Description: Ions measured by LC-MS/MS in the targeted quantification assays.