Description of Supplementary Data Files:

Supplementary Data 1:
RNA sequencing data. This file includes the gene names, $\log_2$ fold-changes, and $-\log_{10}$ adjusted p-value for all comparisons between groups (3DPF vs. 28DPF; FF3DPF vs. FF28DPF; FF3DPF vs. 3DPF; and FF28DPF vs. 28DPF).

Supplementary Data 2:
Total proteomics. This file contains protein names, mass spec intensities, and log2 fold-changes and adjusted p-values for all between group comparisons.

Supplementary Data 3:
Ubiquitinomics. This file contains protein names, modified sites, mass spec intensities, and log2 fold-changes and adjusted p-values for all between group comparisons.

Supplementary Data 4:
Phosphoproteomics. This file contains protein names, modified sites, mass spec intensities, and log2 fold-changes and adjusted p-values for all between group comparisons.

Supplementary Data 5:
Acetylomics. This file contains protein names, modified sites, mass spec intensities, and log2 fold-changes and adjusted p-values for all between group comparisons.

Supplementary Data 6:
Source Data. This file contains all source data for the figures displayed in the manuscript ordered by Figure and Panel within that Figure from 1-7.