

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: All ubiquitination sites annotating to unique proteins retained for follow-up analyses.

File name: Supplementary Data 2

Description: Ubiquitinated sites changed in WT in response to tumor burden.

File name: Supplementary Data 3

Description: 10plex TMT follow-up IPA analyses.

File name: Supplementary Data 4

Description: The overlap between relative protein expression and protein ubiquitination for proteins showing increased ubiquitination in response to tumor burden.

File name: Supplementary Data 5-10

Description: Raw data and follow-up statistical analyses for tumor, serum and muscle metabolomics.

File name: Supplementary Data 11

Description: The data used to generate figures