

The UBX domain in UBXD1 organizes ubiquitin binding at the C-terminus of the VCP/p97 AAA-ATPase

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Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Atomic coordinates of the UBXD1-PUB-eUBX-C structural model (pdb format)

File Name: Supplementary Data 2

Description: Identified intramolecular chemical cross-link results from UBXD1 with DSSO in four biological replicates.

File Name: Supplementary Data 3

Description: Identified intermolecular chemical cross-link results from UBXD1-298PreSc with DSSO in three technical replicates.

File Name: Supplementary Data 4

Description: Identified intermolecular chemical cross-links between UBXD1 and Ubiquitin with DSSO in three technical replicates.

File Name: Supplementary Data 5

Description: Identified intermolecular photo-reactive cross-links between UBXD1 and Ubiquitin-F4BpA(p-Benzoyl-L-phenylalanine)

File Name: Supplementary Data 6

Description: Identified intermolecular chemical cross-link results from UBXD1 and p97 with DSSO in three technical replicates.

File Name: Supplementary Data 7

Description: Identified intermolecular chemical cross-link results from UBXD1 and p97-photoLeu/photoMet in three technical replicates.

File Name: Supplementary Data 8

Description: Identified intermolecular chemical cross-link results between UBXD1, p97 and Ubiquitin present in one sample after SEC purification.

File Name: Supplementary Data 9

Description: Identified intermolecular and UBXD1 intramolecular chemical cross-link results from UBXD1-PUB and HR23b-UBL with DSSO present in one sample after SEC purification.

File Name: Supplementary Data 10

Description: Identified intermolecular photo-reactive cross-links between UBXD1-PUB and HR23b-UBL-F69BpA present in four technical replicates.

File Name: Supplementary Data 11

Description: LC Settings for LC-MS.

File Name: Supplementary Data 12

Description: MS Settings.

File Name: Supplementary Data 13

Description: Legends and XLinkX settings.

File Name: Supplementary Data 14

Description: DNA sequences of coding DNA sequences for all protein constructs.