

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Overview of the cryo-EM structures of human 26S proteasome in complex with the K11/K48-branched ubiquitin chain in different conformational states revealed by the study.

File Name: Supplementary Data 1

Description: List of XL peptides observed in the 26S proteasome without the addition of Sic1^{PY}-Ub_n(K63R). A separate Excel spreadsheet with the FASTA input file for xiNET visualization of the XL network is provided separately online.

File Name: Supplementary Data 2

Description: List of XL peptides observed in the 26S proteasome with the addition of Sic1^{PY}-Ub_n(K63R). A separate Excel spreadsheet with the FASTA input file for xiNET visualization of the XL network is provided separately online.