

Title: Supplementary Data 1:

Description: Genes included in the DepMap analysis

Title: Supplementary Data 2:

Description: Raw data of chemical proteomics experiment in HEK293T cells with compound (16)

Title: Supplementary Data 3:

Description: Details of the sgRNA library used in BRD9 degradation rescue experiment

Title: Supplementary Data 4:

Description: Raw data of the BRD9 degradation rescue experiment

Title: Supplementary Data 5:

Description: Genes classified as hits in the BRD9 degradation rescue experiment

Title: Supplementary Data 6:

Description: Raw data of the proteomics experiment comparing **DDa-1** and compound (13)

Title: Supplementary Data 7:

Description: Characterization data of the DCAF1 based BTK degrader and control compounds

Title: Supplementary Data 8:

Description: Raw data of the proteomics experiment comparing **DBt-10** and compound (19)

Title: Supplementary Data 9:

Description: Compound IDs and SMILES codes

Title: Supplementary Data 10:

Description: Key resource table