## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Summary of time points used for dynamic SILAC labelling and raw file names.

File Name: Supplementary Data 2

Description: Protein half-lives from all cell types.

File Name: Supplementary Data 3

Description: Protein half-lives proteasome.

File Name: Supplementary Data 4

Description: Protein half-lives nuclear pore.

File Name: Supplementary Data 5 Description: MaxQuant settings.