This folder contains the raw data used on this paper. Below is briefly described the data contained on each file:

1. De-novo fibrillation of D76N and WT: corresponding to **Fig1B**
2. Intermolecular PRE-NMR data of S33C, S57C and S88C: corresponding to **Fig2**
3. Size Exclusion Chromatography profile of XL sample: corresponding to **Fig3C**
4. Restraints used to generate the D76N dimeric model: corresponding to **Fig4**
5. Fibrillation of D76N in presence of 10% of XL-Dimers: corresponding to **Fig5A**
6. Fibrillation of D76N in presence of 0, 3 and 10% of seeds and supplemented with 10% of XL-Dimers: corresponding to **Fig6**
7. Melting temperature of D76N-Cys-MTSL-B2m variants: corresponding to **FigS1**
8. Secondary structure of D76N-Cys-MTSL variants: corresponding to **FigS2-ADGJ**
9. HN-CSP on D76N as result of Cys-MTSL modification: Corresponding to **FigS2-CFIL**
10. Inter-PRE-NMR data of S20C: corresponding to Fig**S3B**
11. Aggregation kinetics of D76N in presence of different percentages of XL-Monomer or XL-Dimer: corresponding to **FigS7\_ABCD**
12. Pelleting assay between fibrils and XL-D: corresponding to **FigS10A**
13. SPR sensorgrams of D76N in different concentrations of XL-Dimers: corresponding to **FigS10B**