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**Supplemental Information**

**Protein Glycation by Glyoxal Promotes Amyloid Formation by Islet  
Amyloid Polypeptide**

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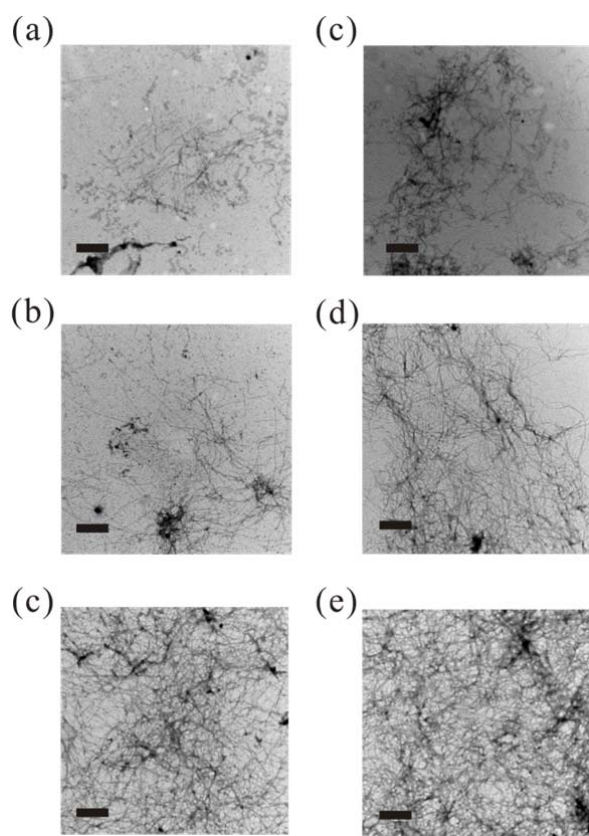
# Supporting Information for

## Protein glycation by glyoxal promotes amyloid formation by islet amyloid polypeptide

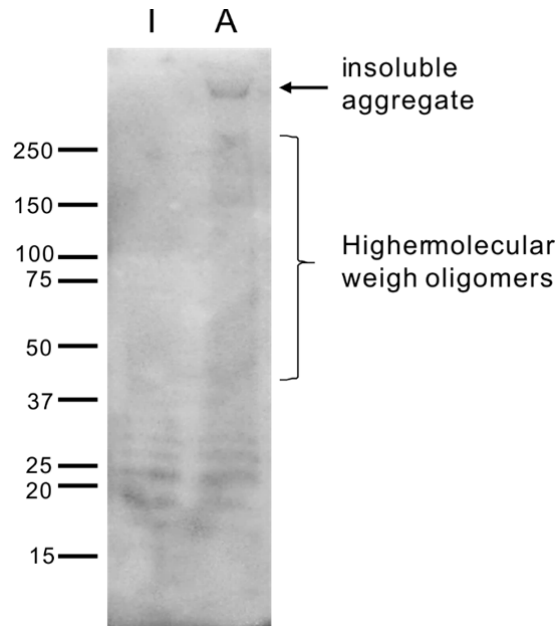
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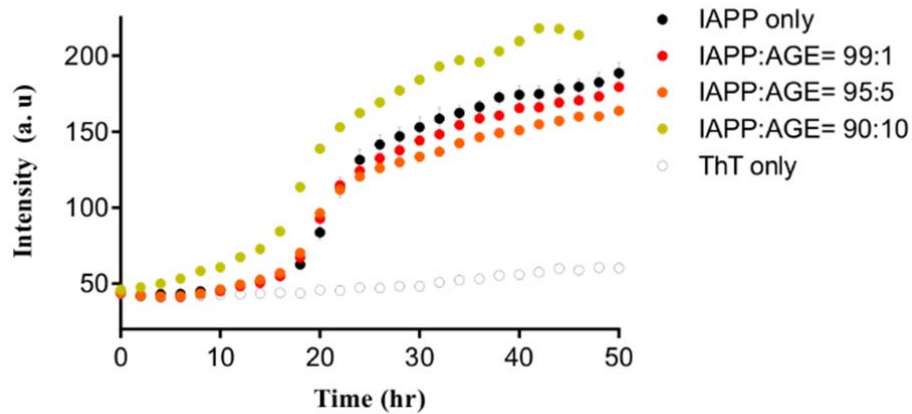
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**Figure S1:** (a-c) TEM images for IAPP samples which were incubated for 24, 36, and 48 h. (c-d) TEM images for AGE-IAPP samples which were incubated for 24, 36, and 48 h. Protein samples were prepared in the same condition as CD experiments. The scale bar represents 500 nm.



**Figure S2:** Oligomer distribution of unlinked IAPP and AGE-IAPP revealed by 4-20% gradient Tris-glycine gel and probed by IAPP antibody R10/99 after 2 h incubation. Protein samples were prepared at 32  $\mu$ M in pH 7.4, 10 mM Tris buffer at 25  $^{\circ}$ C. I represents IAPP and A represents AGE-IAPP.



**Figure S3.** ThT fluorescence kinetics were shown for IAPP (black), IAPP and AGE-IAPP in a ratio of 99: 1 (red), 95: 5 (orange), and 90: 10 (dark yellow). The total peptide concentration was fixed at 32  $\mu$ M for each condition. The kinetic experiments were performed in duplicate.