Figure S1. The sequence alignment of ArthβDG and ParβDG performed using EMBOSS Needle Pairwise Sequence Alignment. The sequence similarity is 35%, and identity only 17.6% with 47.3% gaps. Catalytic amino acids marked with red boxes.
Figure S2. Biochemical oligomerization assays of ArthβDG. (a) SDS-PAGE analysis stained with Coomassie Brilliant Blue G; lane 1 protein molecular-weight markers (Thermo Fisher Scientific), lane 2 ArthβDG; (b) $V_e/V_0$ versus log MW calibration curve for separation of proteins on a Superdex 200 10/200 GL column with ArthβDG marked red ($V_e$, elution volume; $V_0$, void volume); (c) chromatographic separation of the fraction containing active ArthβDG by gel filtration on a Superdex 200 10/300 GL column.