Supporting Information

Tuning Gelation Kinetics and Mechanical Rigidity of *β*-Hairpin Peptide Hydrogels via Hydrophobic Amino Acid Substitutions

Cuixia Chen,[†] Yanfeng Gu,[†] Li Deng,[†] Shuyi Han,[†] Xing Sun,[†] Yucan Chen,[†] Jian R. Lu,[‡] and Hai Xu[*,†]

[†]Centre for Bioengineering and Biotechnology, China University of Petroleum (East China), 66 Changjiang West Road, Qingdao 266580, China

[‡]Biological Physics Laboratory, School of Physics and Astronomy, University of Manchester, Schuster Building, Manchester M13 9PL, United Kingdom

*Tel.: +86-532-86981569. E-mail: xuh@upc.edu.cn

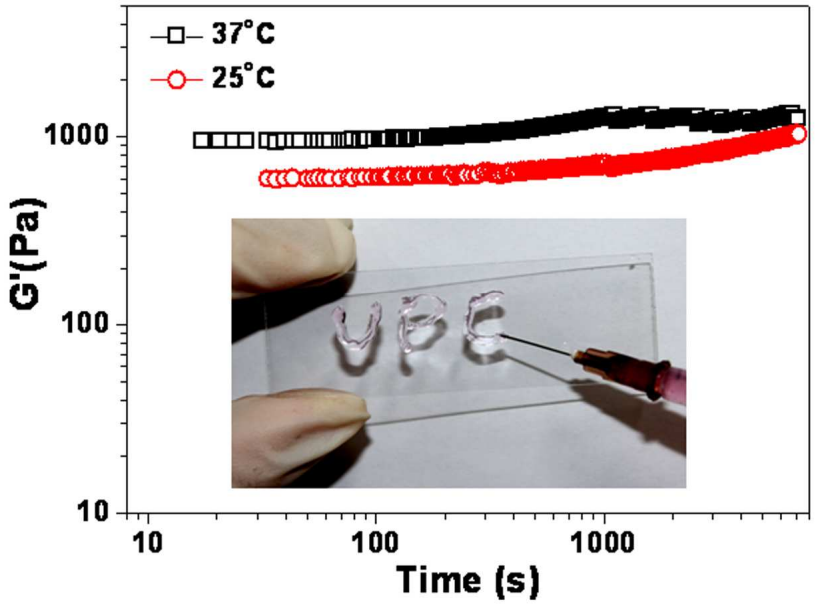

Figure S1. Storage moduli (G') of 2 wt% MAX1I8 with time at 25 and 37°C, respectively. Note that the 2 wt% MAX1I8 solution was allowed to gel for 1 h after mixing an equal volume of DMEM with a 4 wt% MAX1I8 solution (25 mM Hepes, pH 7.4). After loading the peptide gel and keeping it static for a while, the time sweeping experiments were performed at a frequency and strain of 6.28 rad/s and 1%, respectively. Inset image show that the MAX1I8 hydrogel retained intact on a vertical glass surface after syringe delivery.