Electronic Supplementary Material (ESI) for Soft Matter.

Supplementary Information

Impact of Gelation Method on Thixotropic Properties of Phenylalanine-Derived Supramolecular Hydrogels

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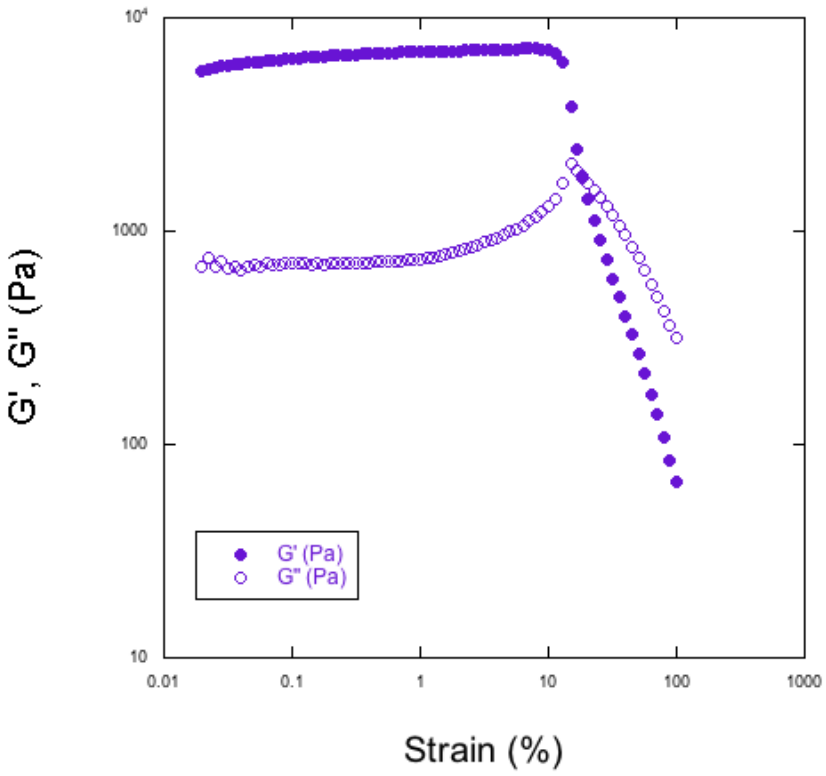

Figure S1. Strain sweep of Fmoc-3F-Phe hydrogel (5 mM) formed by the solvent exchange method of dilution from DMSO into water.

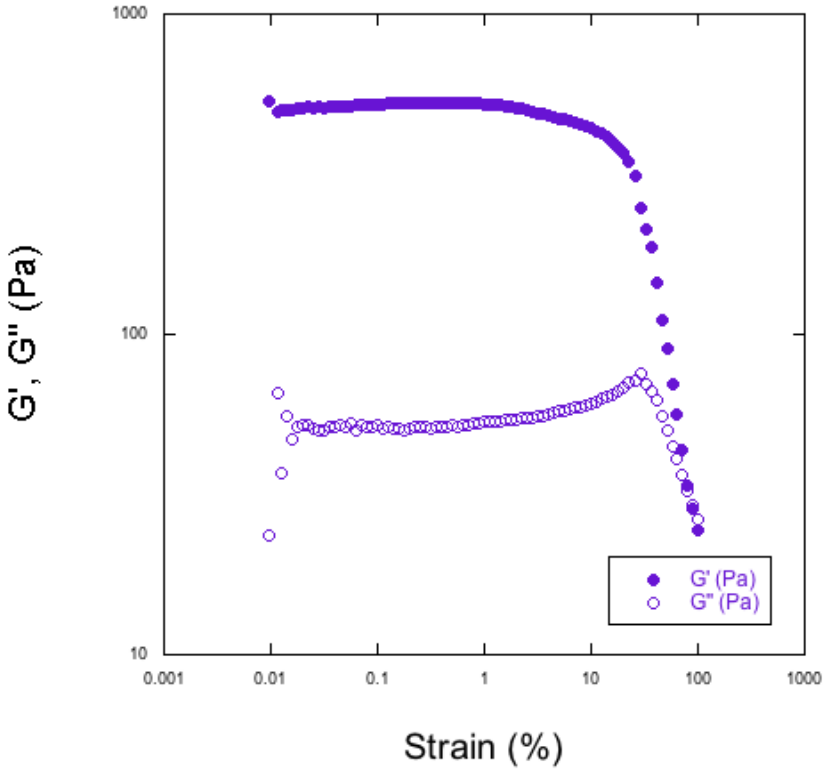

Figure S2. Strain sweep of Fmoc-3F-Phe hydrogel (5 mM) formed by pH adjustment via GdL hydrolysis.

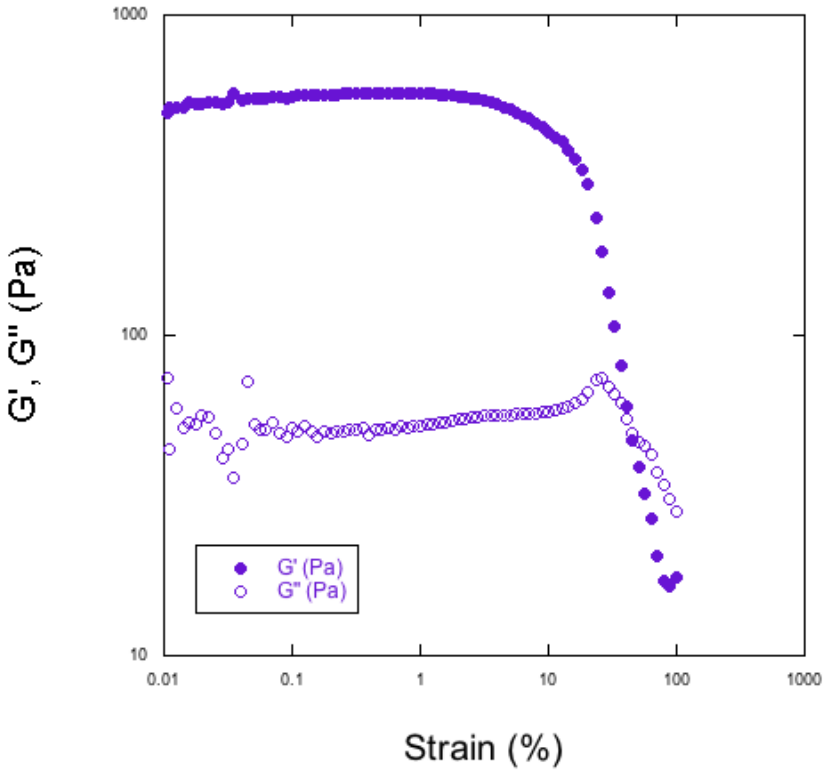

Figure S3. Strain sweep of Fmoc-3F-Phe hydrogel (15 mM) formed by pH adjustment via GdL hydrolysis.

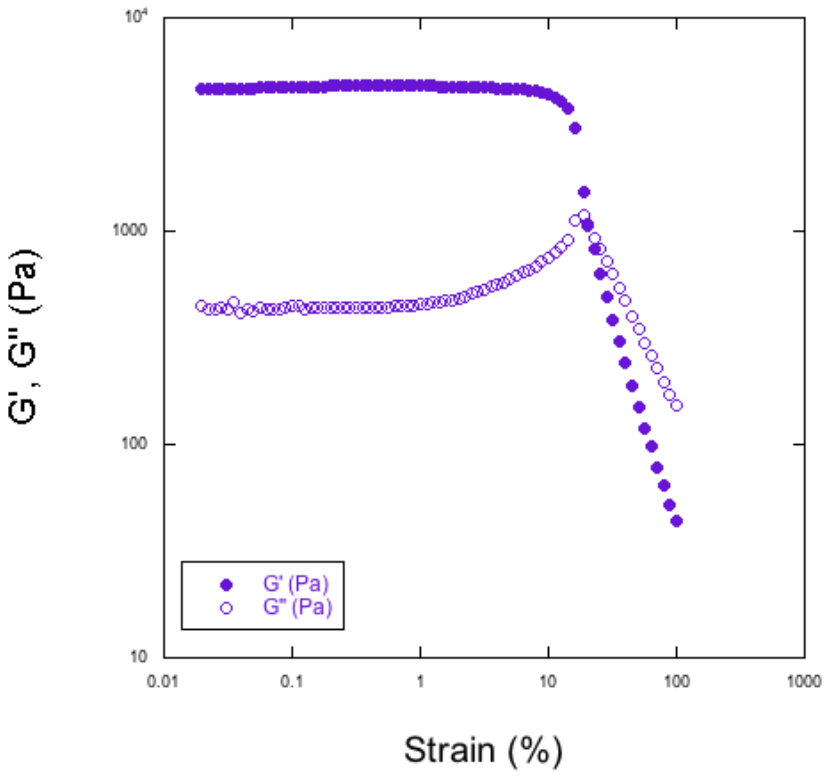

Figure S4. Strain sweep of Fmoc-F5-Phe hydrogel (5 mM) formed by the solvent exchange method of dilution from DMSO into water.

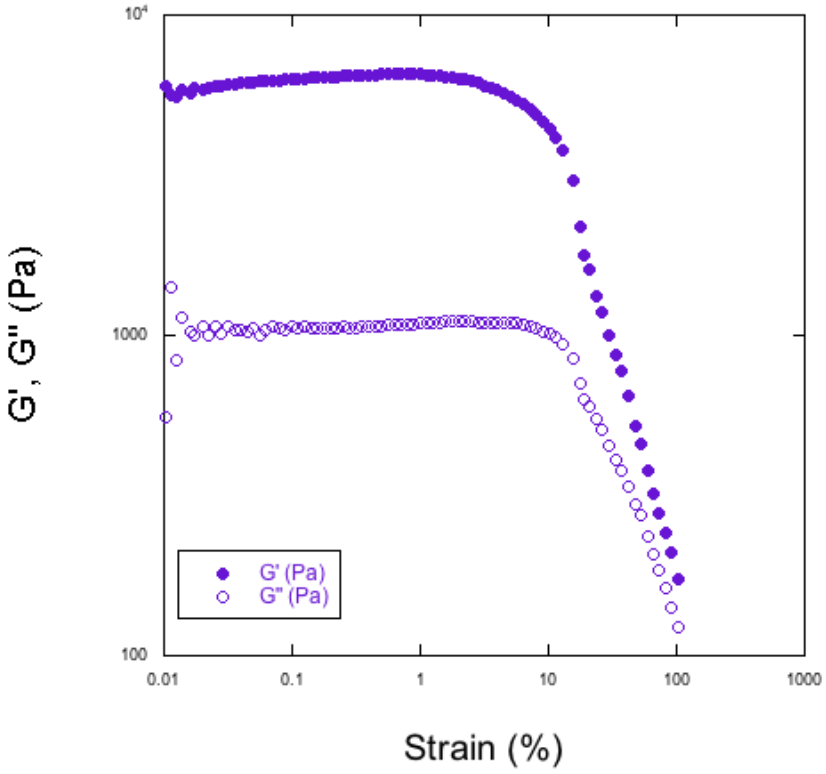

Figure S5. Strain sweep of Fmoc-F5-Phe hydrogel (5 mM) formed by pH adjustment via GdL hydrolysis.

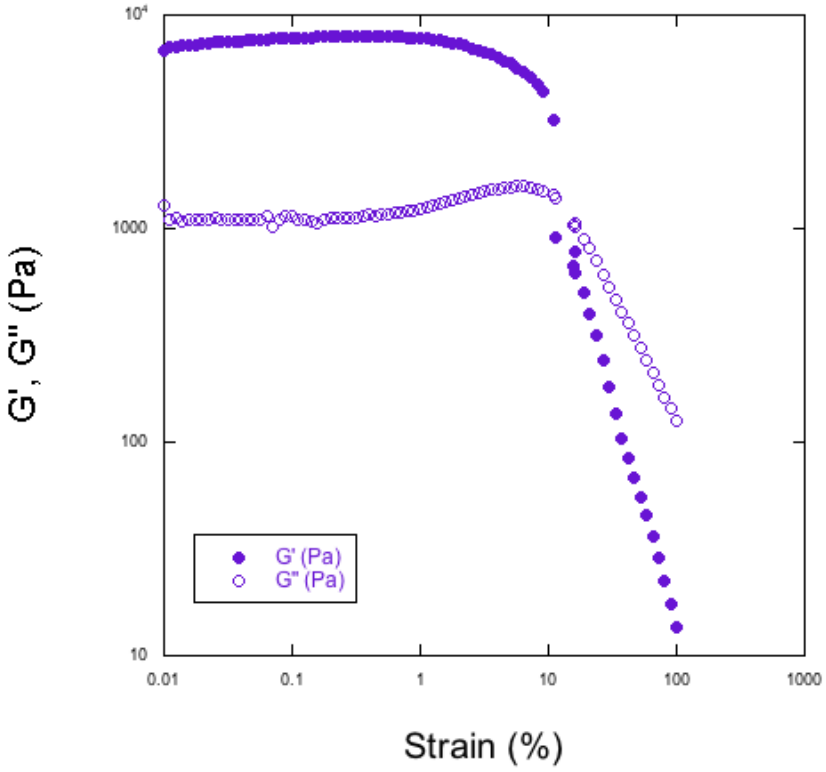

Figure S6. Strain sweep of Fmoc-F5-Phe hydrogel (15 mM) formed by pH adjustment via GdL hydrolysis.

Figure S7. An image of an Fmoc-F5-Phe 5 mM gel which was set beforehand and transferred to the plate. This image is taken before the foot is lowered and the gap set.

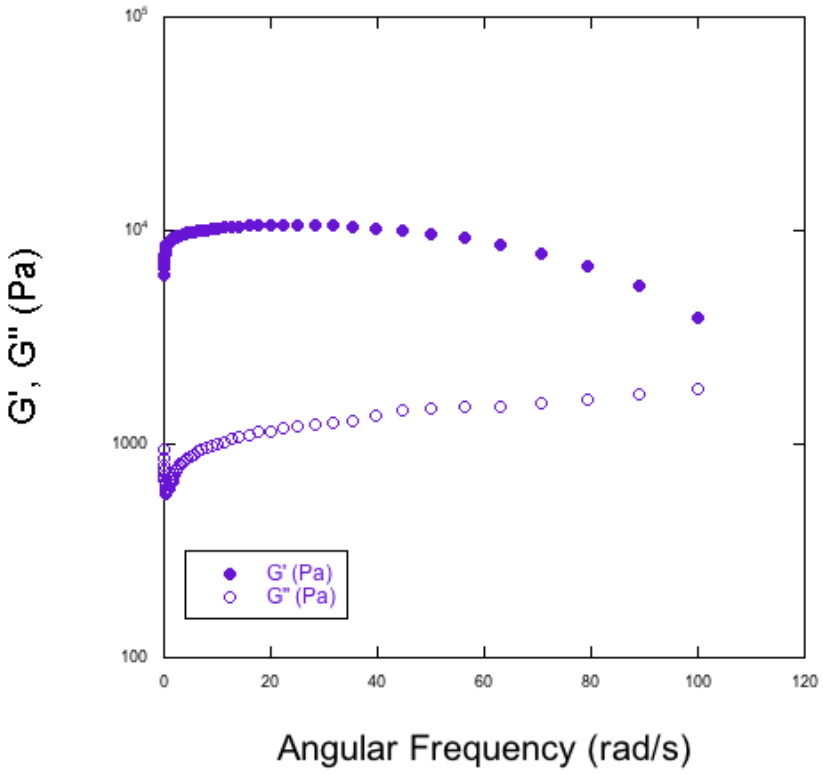

Figure S8. Representative frequency sweep data of Fmoc-3F-Phe hydrogel (5 mM) formed by the solvent switch method of dilution from DMSO into water.

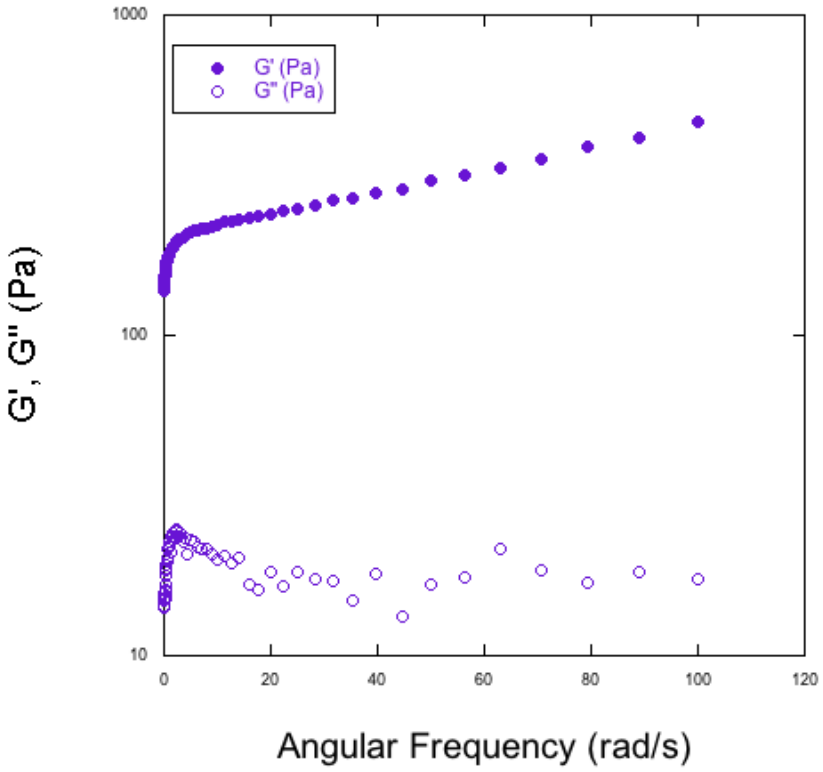

Figure S9. Representative frequency sweep of Fmoc-3F-Phe hydrogel (5 mM) formed by pH adjustment via GdL hydrolysis

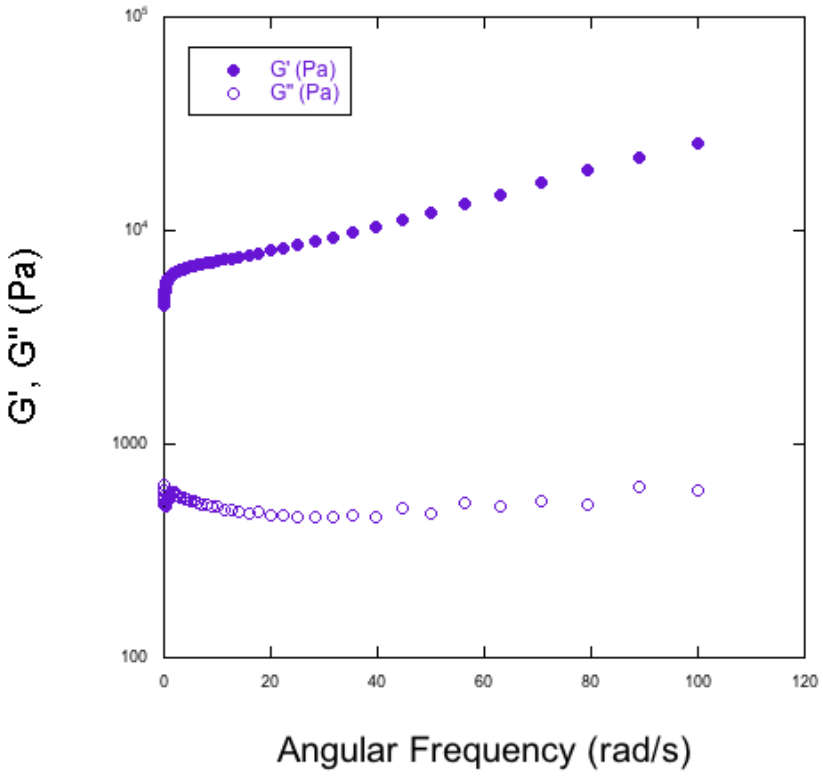

Figure S10. Representative frequency sweep of Fmoc-F5-Phe hydrogel (5 mM) formed by the solvent switch method of dilution from DMSO into water.

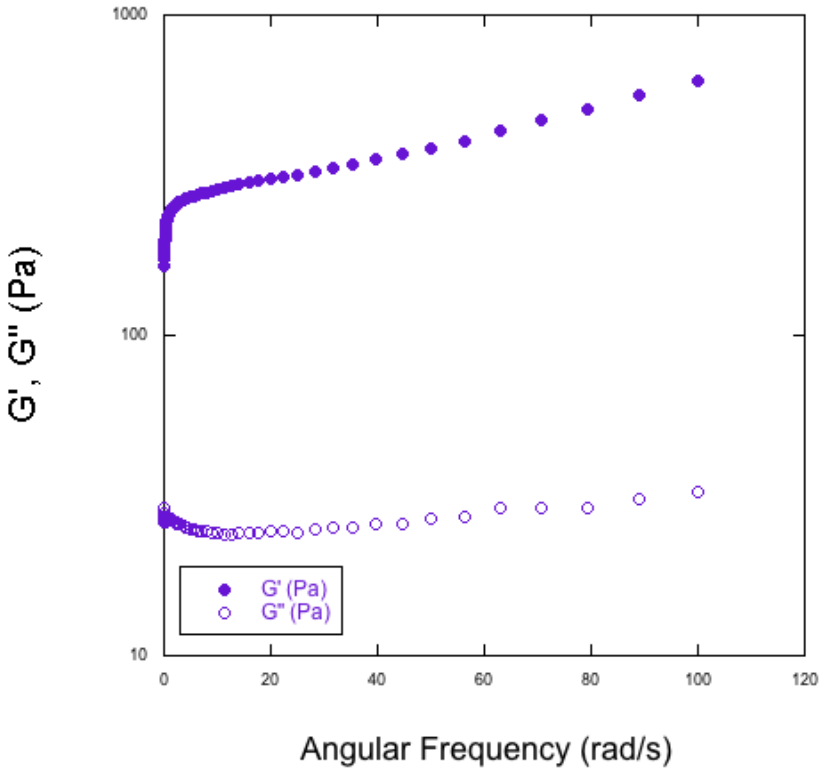

Figure S11. Representative frequency sweep data of Fmoc-F5-Phe hydrogel (5 mM) formed by pH adjustment via GdL hydrolysis.

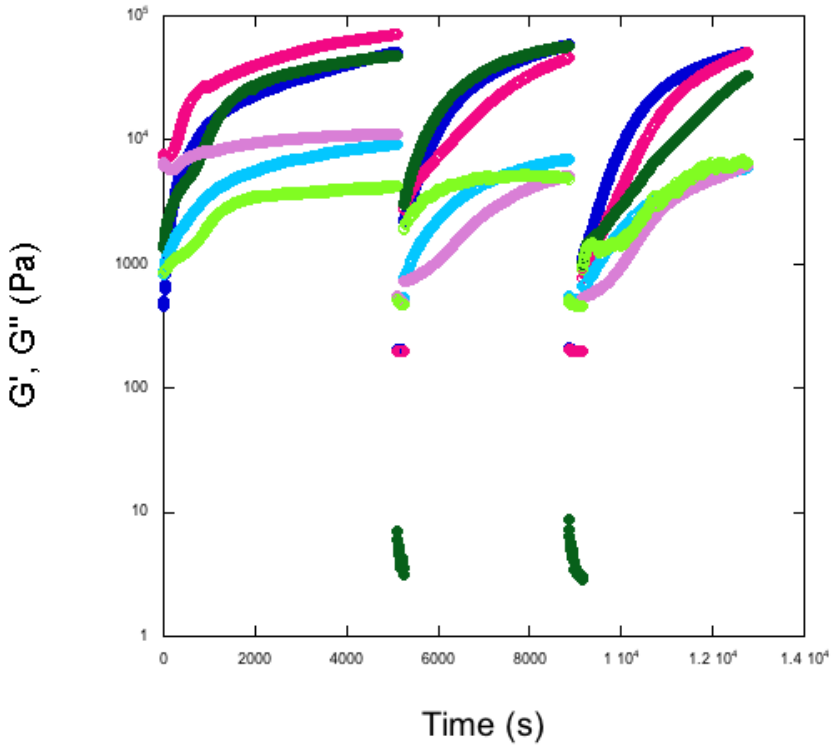

Figure S12. Individual dynamic time sweep date for three separate runs of Fmoc-3F-Phe hydrogels formed from DMSO dilution into water and allowed to form *in situ* on the rheometer statge. Run 1 is pink (dark G′, light G′′), Run 2 is green (dark G′, light G′′), Run 3 is blue (dark G′, light G′′)

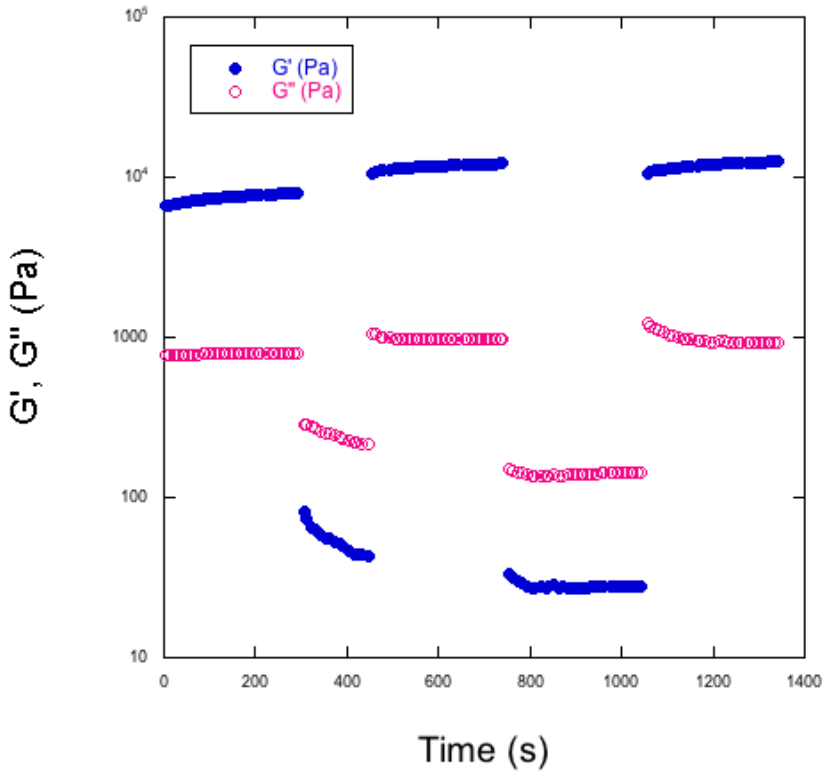

Figure S13. Time sweep of Fmoc-3F-Phe DMSO gel which was allowed to mature in tube before being transferred to the rheometer stage.

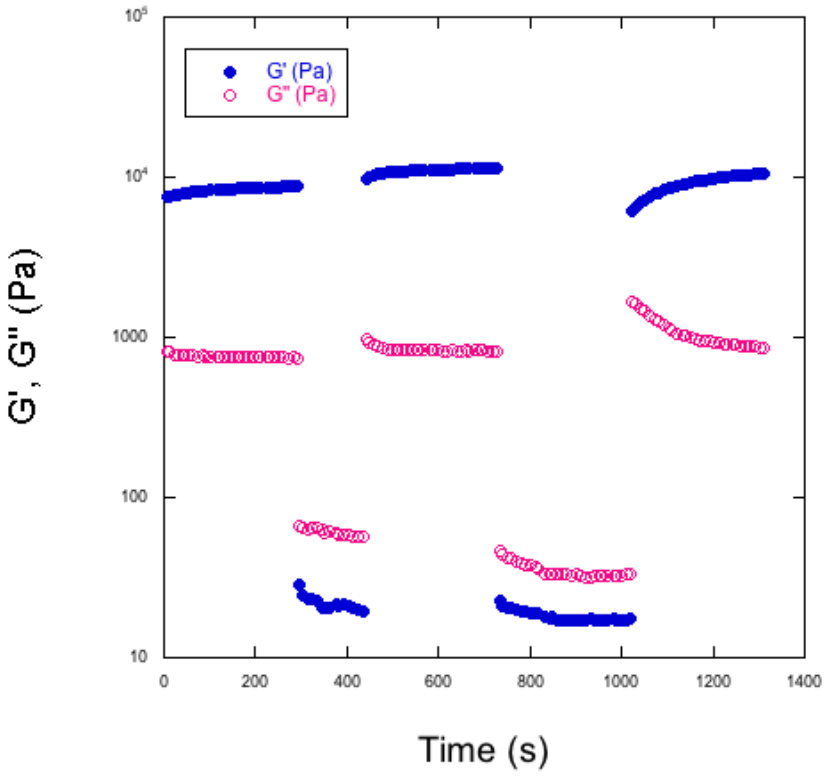

Figure S14. Time sweep of Fmoc-F5-Phe DMSO gel which was allowed to mature in tube before being transferred to the rheometer stage.