Supporting Information

Rheological Study on the Thermoreversible Gelation of Stereo-controlled Poly(N-isopropylacrylamide) in an Imidazolium Ionic Liquid

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Figure S1. The storage (closed symbol) and loss (open symbol) moduli of m series with concentration of 5% and different tacticity.
**Figure S2.** The storage (closed symbol) and loss (open symbol) moduli of Hm series with concentration of 5% and different tacticity.

**Figure S3.** The loss factor as a function of temperature for m series with concentration of 5% and different tacticity.
Figure S4. The loss factor as a function of temperature for Hm series with concentration of 5% and different tacticity. Symbols are the same as in Figure S3.

Figure S5. The storage (closed symbol) and loss (open symbol) moduli of m79 solutions with different concentration.
Figure S6. The storage (closed symbol) and loss (open symbol) moduli of Hm78 solutions with different concentration.

Figure S7. The loss factor as a function of temperature for m79 solutions with different concentration. Symbols are the same as in Figure S3
**Figure S8.** The loss factor as a function of temperature for Hm78 solutions with different concentration. Symbols are the same as in Figure S3.