Supporting Information

Water Recycling Efficacies of Extremely Hygroscopic, Antifouling Hydrogels

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Figure S1: Chemical structures of β-alanine, pantothenic acid, 2-aminomethylmethacrylamide (AEMA) and vitamin B5 analogous monomer B5AMA.
Figure S2: $^1$H-NMR spectra of B5AMA in D$_2$O.
Figure S3: DEPT 45 $^{13}$C-NMR spectra of B5AMA.
Figure S4: Photograph of B5AMA-10 hydrogels (left) before the release of water 25 °C, and (right) after the release of water at 37 °C.
Figure S5: Weights of B5AMA-10 hydrogels recorded during the release of water during repeated cycles of water absorption and desorption for the period of five days.