## Electronic Supplementary Information for

## Temperature- and pH-responsive properties of poly (vinylidene fluoride) membranes functionalized by blending microgels

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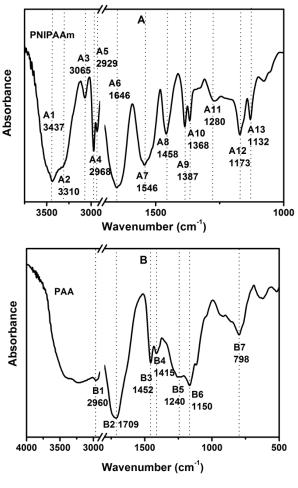
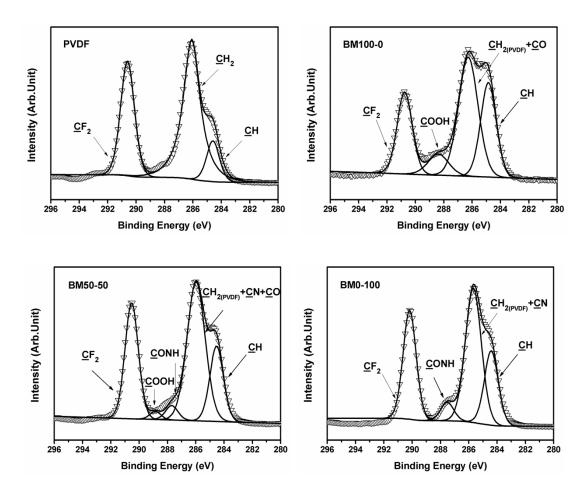


Fig. 1S. FTIR spectra of PNIPAAm and PAA microgels.



**Fig. 2S.** XPS C1s core-level spectra of the pure PVDF membrane, BM100-0, BM50-50 and BM0-100 blend membranes.