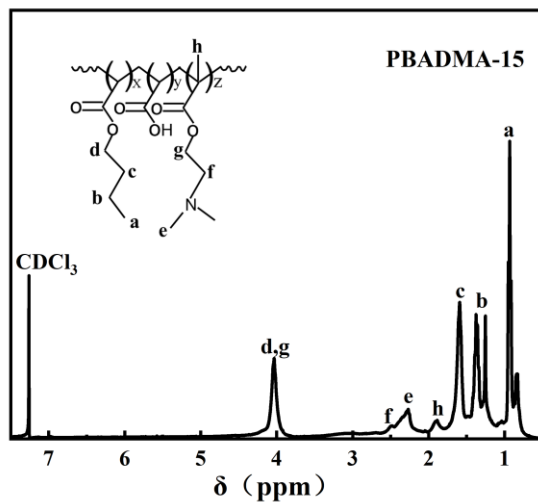


## Supporting Information

Highly tough, stretchable and self-healing polyampholyte elastomers with dual adhesiveness

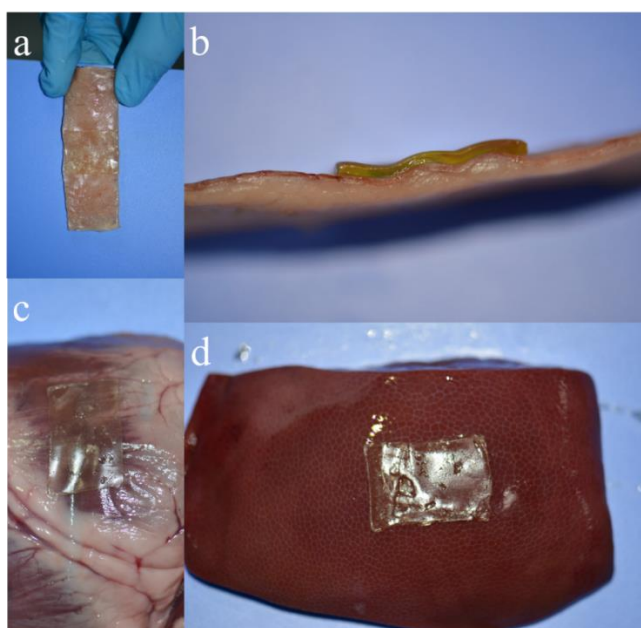
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**Figure S1.** The <sup>1</sup>H NMR spectrum of PBADMA-15.



**Figure S2.** Milky precipitates were observed when the molar percentage of AA and DMA in the precursor was higher than 41%.



**Figure S3.** PBADMA-15 shows good adhesion to pork tissues, including: (a) Pork skin; (b) shows the lateral view of (a); (c) Pork heart and (d) Pork liver.