Electronic Supplementary Material (ESI) for Soft Matter.
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Supporting Information

Coacervation and Precipitation in Polysaccharide-protein Systems

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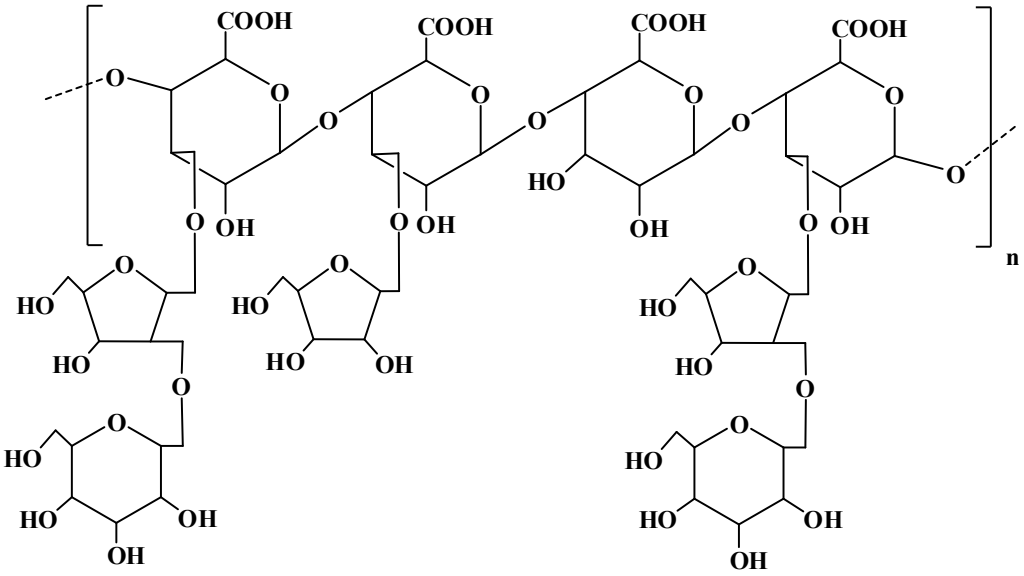

Figure S1. The chemical structure of tragacanthin (TG).

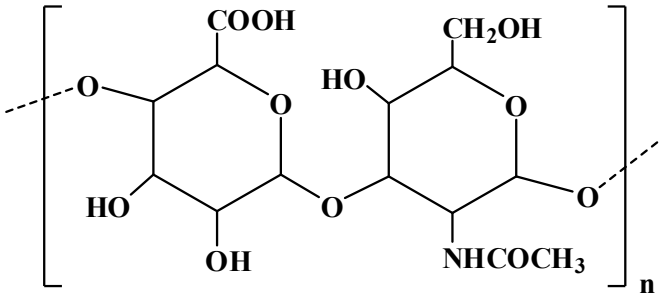

Figure S2. The chemical structure of hyaluronic acid (HA).

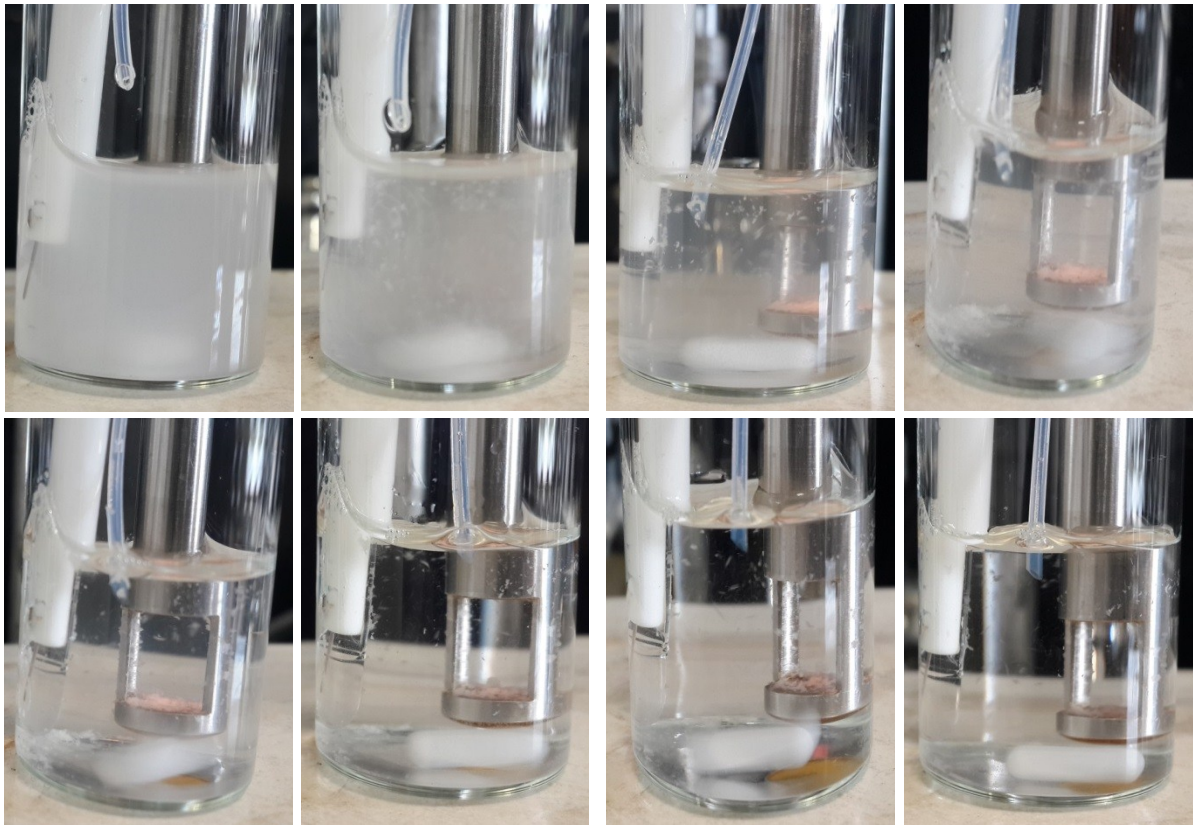

Figure S3. pH dependence of the turbidity and system state for HA(0.1 g/L) and BLG (1 g/L) mixture with respect to pH in 25 mM NaCl, upon addition of acid (forward titration). First row (left to right): pH 4.4, 4.25, 3.75, and 3.6. Second row (left to right): pH 3.3, 2.4, 2.2, and 2.0.

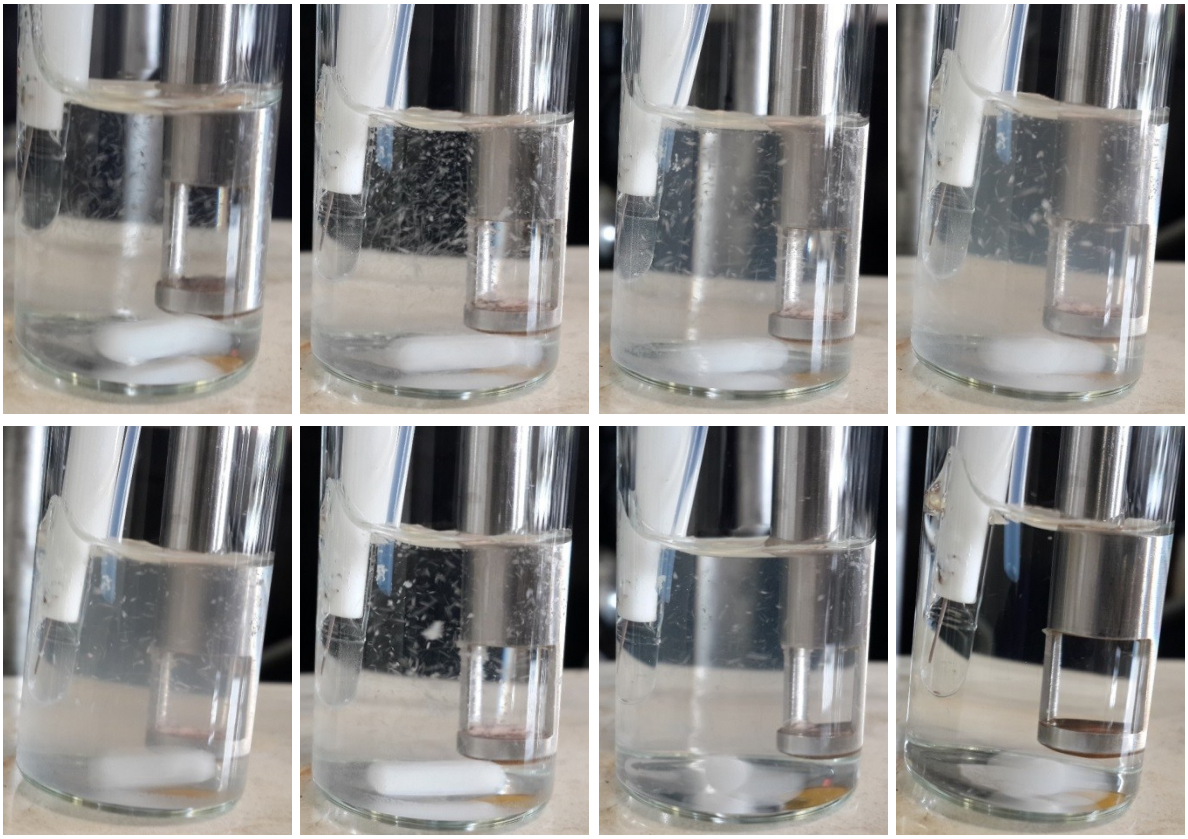

Figure S4. pH dependence of the turbidity and system state for HA(0.1 g/L) and BLG (1 g/L) mixture with respect to pH in 25 mM NaCl, upon addition of base (back titration). First row (left to right): pH 2.2, 2.7, 3.6, and 3.7. Second row (left to right): pH 4.2, 4.53, 5.1, and 7.0.

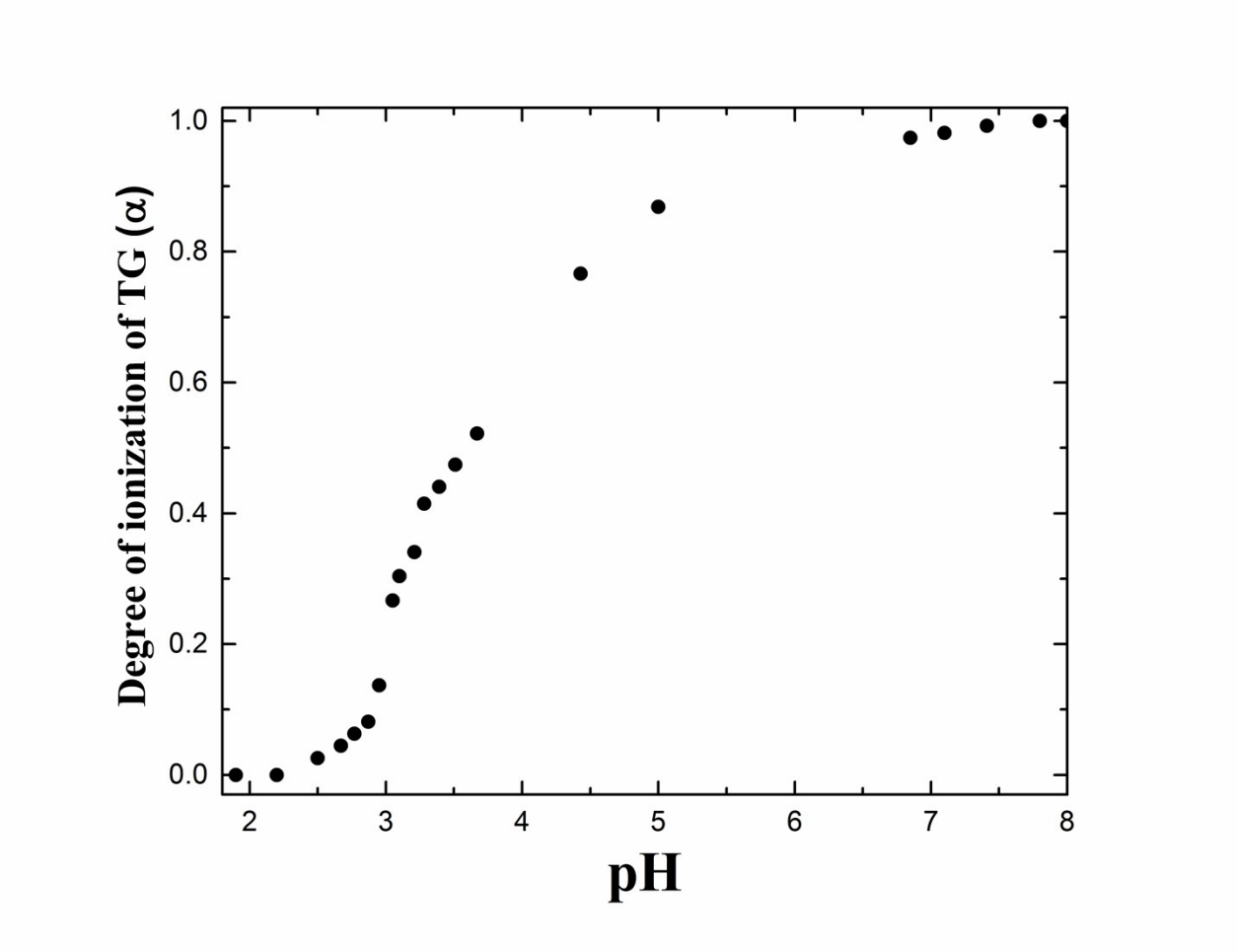

Figure S5. pH dependence of degree of ionization of TG in water ($I \approx 0$). pH at $\alpha = 0.5$ is defined as pK_a.