Supporting Information

Enzymatic Degradation Behavior of Cotton, Lyocell, and Wood Pulp

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Includes 5 figures

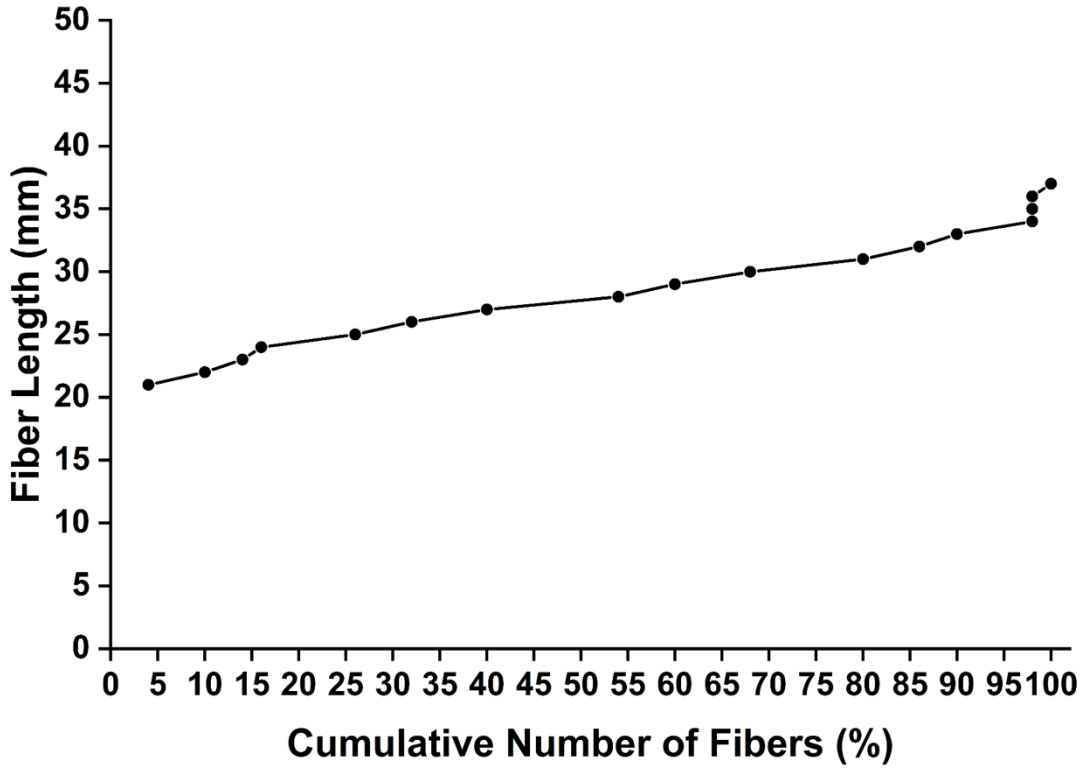

Fig. S1 Tally of measured raw cotton fibers (mm) according to ASTM D5103.

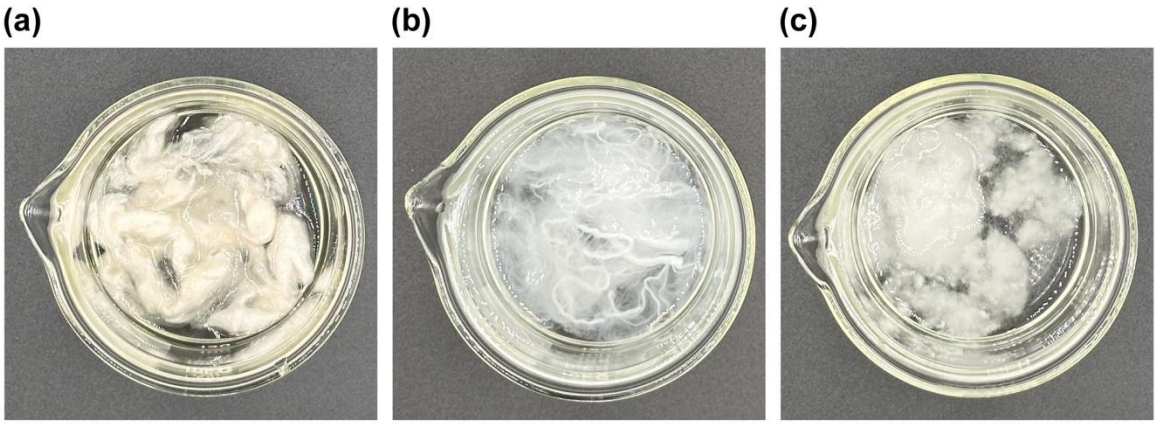

Fig. S2 Macroscopic images of (a) cotton, (b) lyocell, and (c) wood pulp fibers following 10 min of mixing under the same mixing conditions used for the enzymatic degradation experiments (0.5g fiber, 80:1 liquor ratio in sodium acetate buffer).

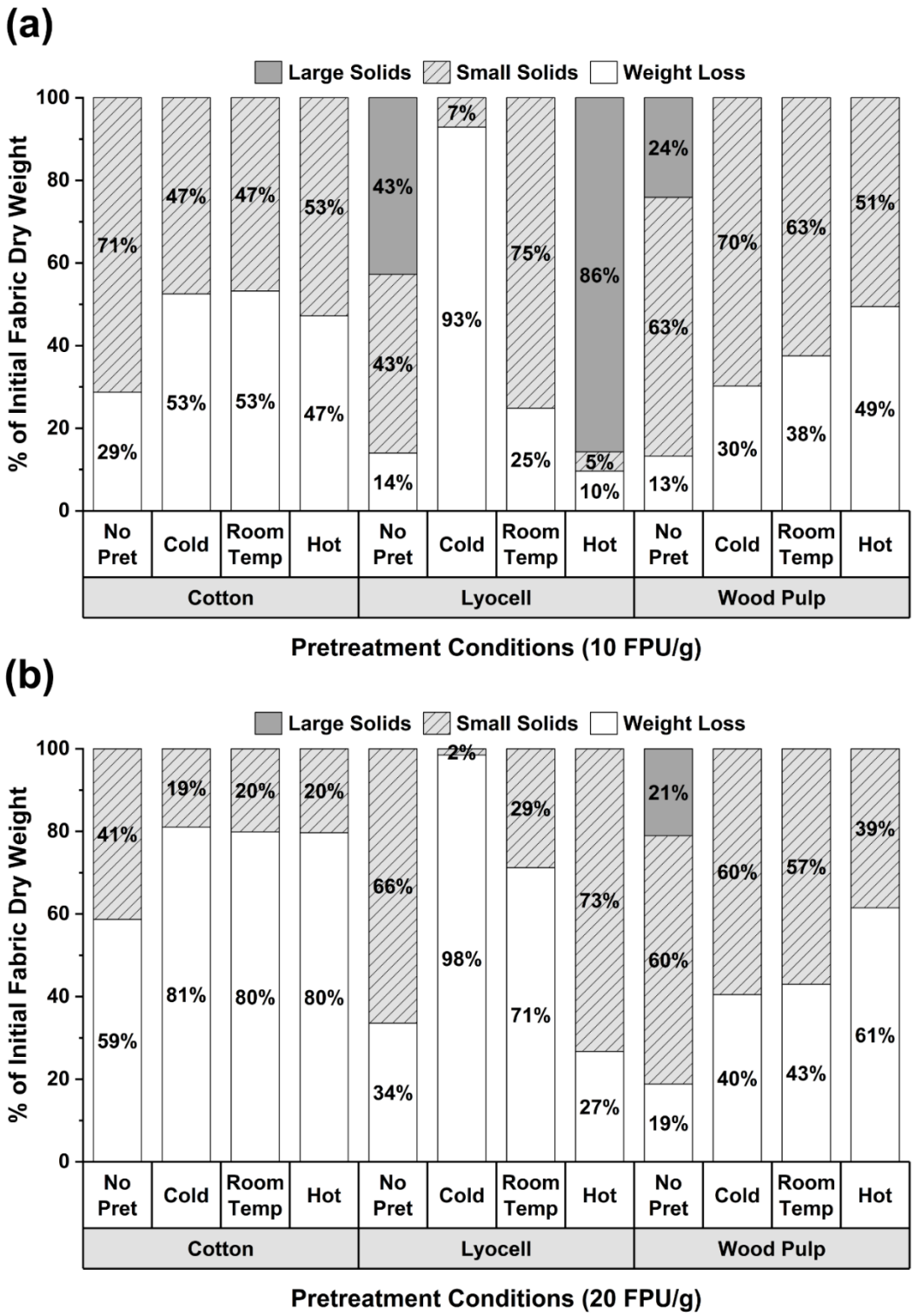

Fig. S3 Comparison of different alkali pretreatment conditions of cellulose fibers: (a) 10 FPU/g, (b) 20 FPU/g.

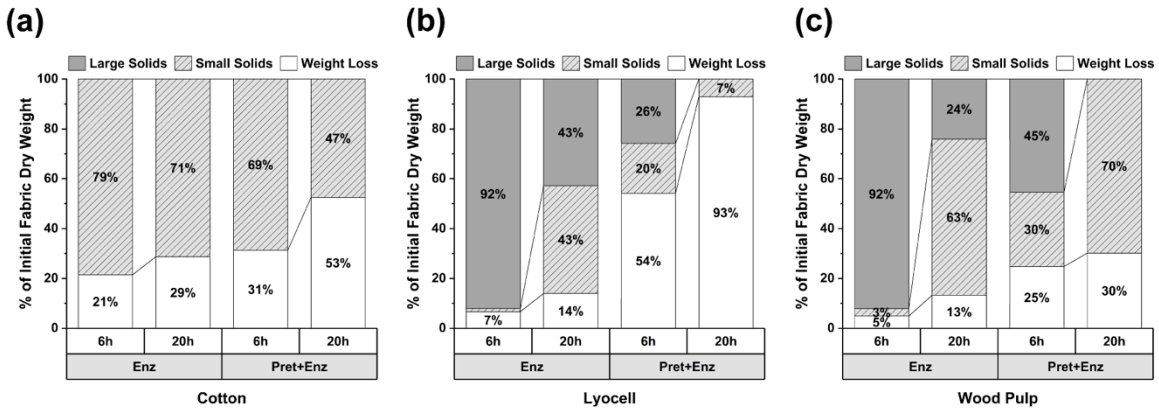

Fig. S4 Effect of cold alkali pretreatment on the enzymatic degradation behavior of cellulose fibers at 10 FPU/g. Comparison of hydrolysis at 6 h and 20 h for (a) cotton, (b) lyocell, and (c) wood pulp.

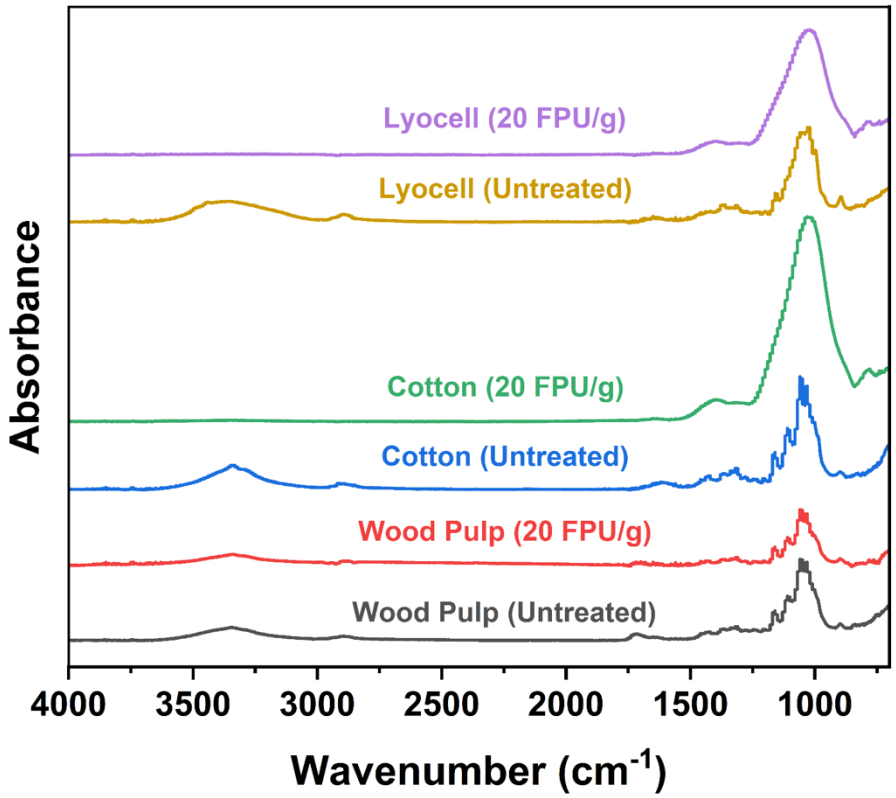

Fig. S5 FTIR spectra of untreated and enzyme-treated cellulose fibers.