

Supplemental data for
Solvent-based delignification and decrystallization of wheat
straw for efficient enzymatic hydrolysis of cellulose and
ethanol production with low cellulase loadings

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Figure S1 Comparison of 24-h enzymatic hydrolysis of different solvent post-treated substrates at different solid loading with different cellulase loadings. A: 0.75 FPU/g solid; B: 3.75 FPU/g solid; C: 7.5 FPU/g solid; D: 15 FPU/g solid

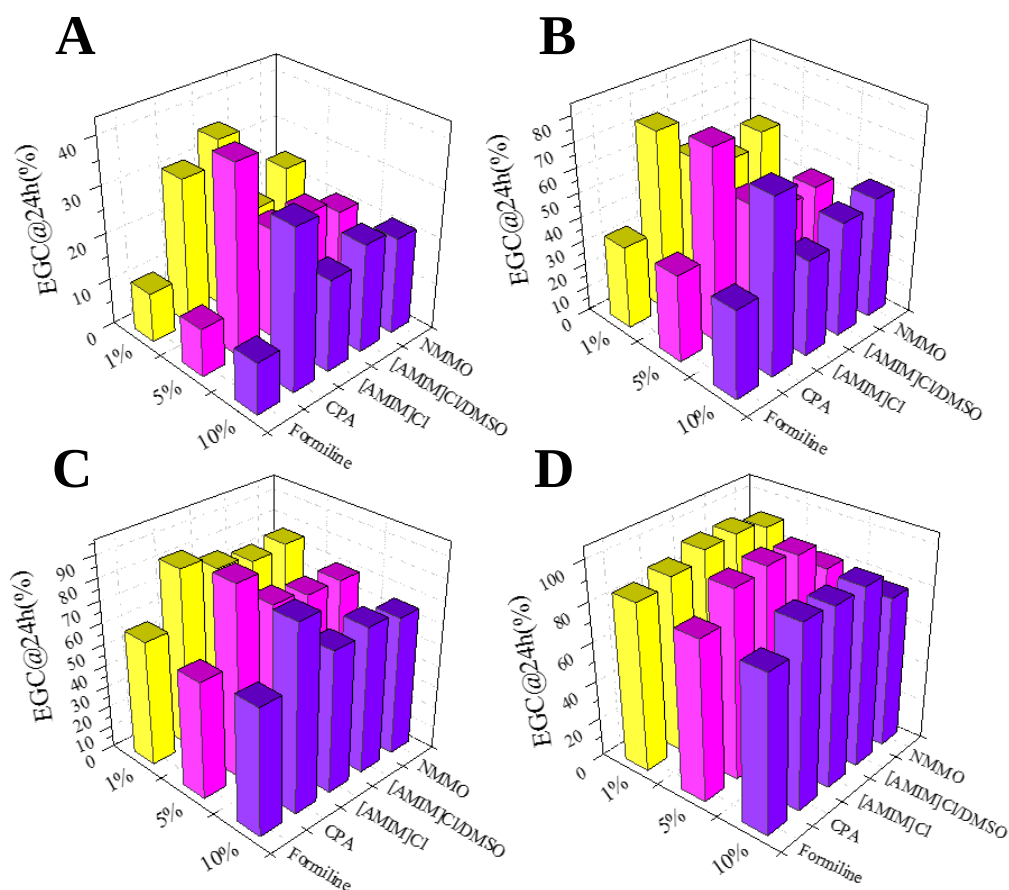


Figure S2 Correlations between HBI and *EGC* with different cellulase loading. A: 0.75 FPU/g solid; B: 3.75 FPU/g solid; C: 7.5 FPU/g solid; D: 15 FPU/g solid

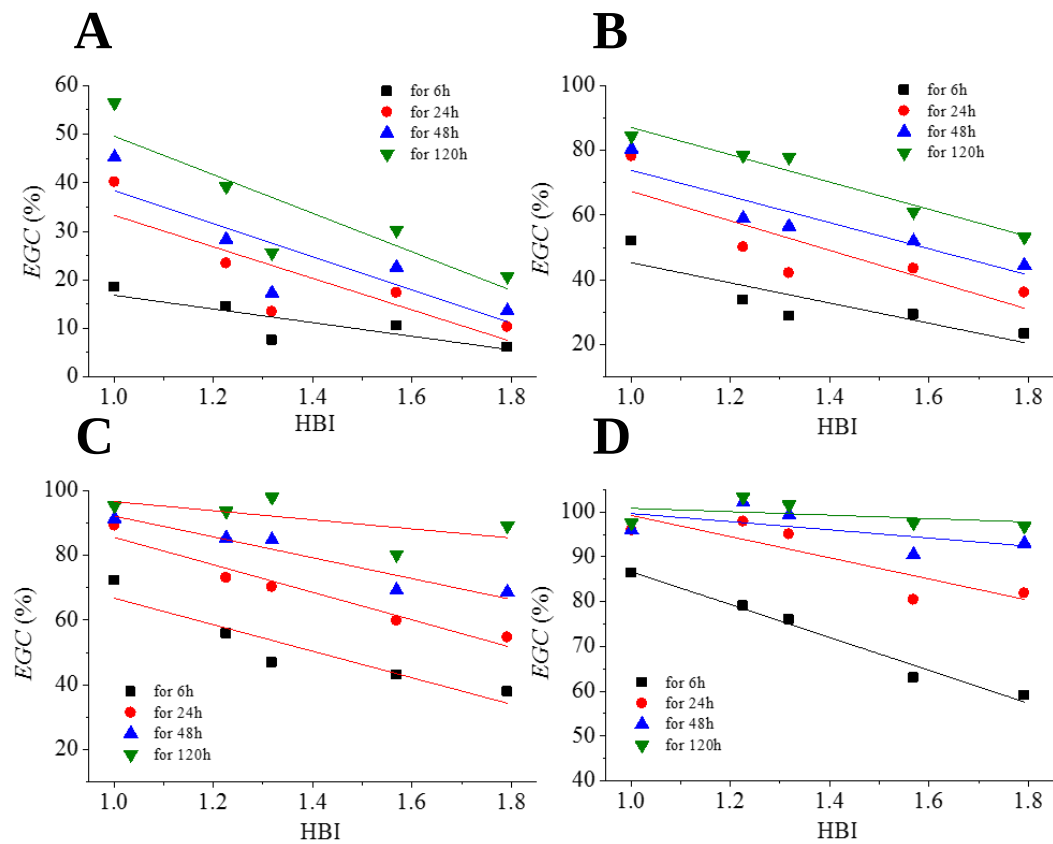


Figure S3 Photomicrographs (400 magnifications) of Formiline pretreated and CPA post-treated substrates with adsorption of fusion protein probe molecules. A: Formiline pretreated; B: Formiline pretreated with fluorescence excitation; C: CPA post-treated; D: CPA post-treated with fluorescence excitation

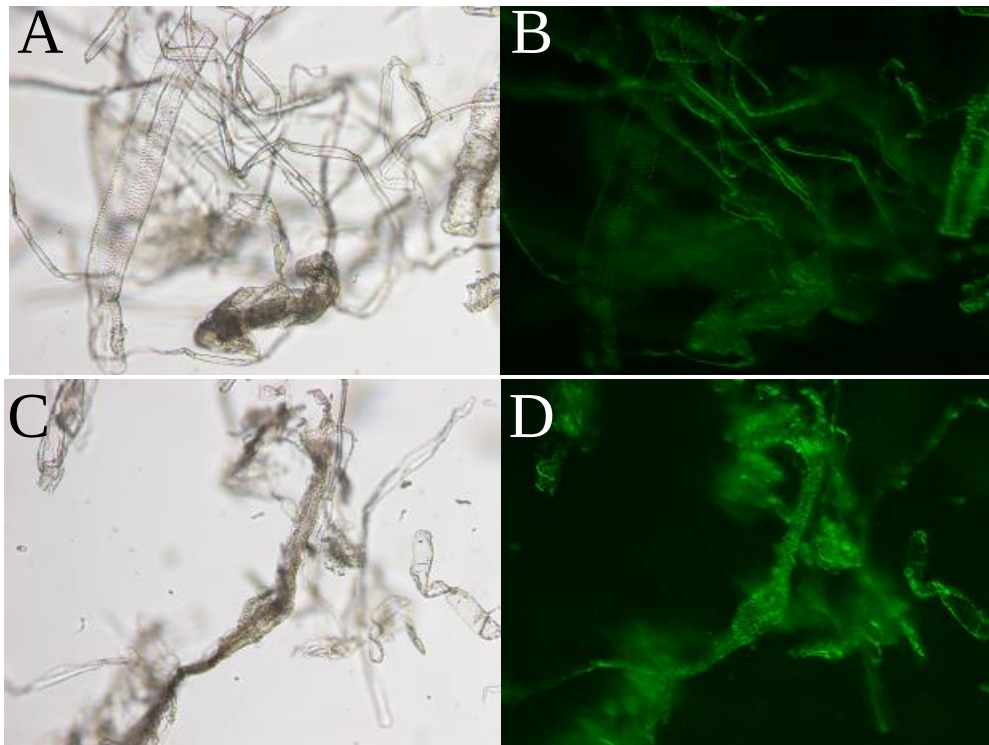


Figure S4 Conceptual design of biorefining of lignocellulosic biomass based on Formiline pretreatment with CPA post-treatment for production of ethanol, furfural and high-purity lignin

