Pretreatment of furfural residues with switchable butadiene sulfone in the sugarcane bagasse biorefinery

Supplementary Information

J. Atilio de Frias\textsuperscript{1} and Hao Feng\textsuperscript{1,2*}

\textsuperscript{1}Department of Agricultural and Biological Engineering, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801, USA.

\textsuperscript{2}Department of Food Science and Human Nutrition, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801, USA.

*Corresponding Author. E-mail: haofeng@illinois.edu

![Graph showing glucan digestibility and conversion to HMF+LA+FA](image)

**Fig. S1** Percentage of the glucan in sugarcane bagasse, converted to glucose and HMF+LA+FA after acid-catalyzed production of furfural at 170 °C and 180 °C for 10 min, and before pretreatment with butadiene sulfone-water. Overlaid in the figure are the enzymatic digestibility percentages at 72 h and 50 °C of the glucan in the residues without pretreatment.