Supplementary Information

Peroxyacetic Acid Pretreatment: A Potentially Promising Strategy Towards Lignocellulose Biorefinery

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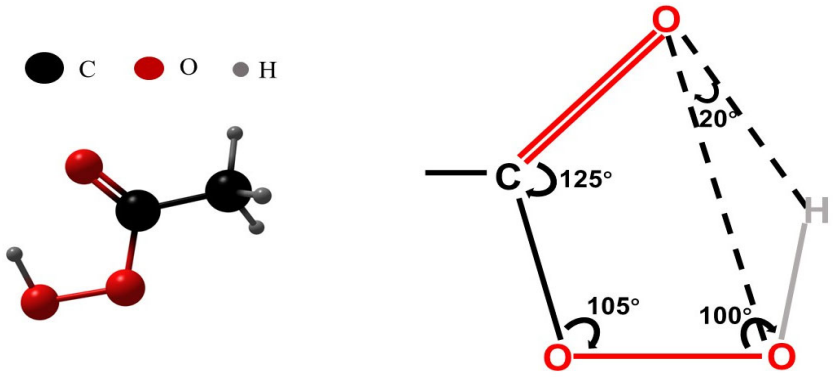
Figure captions

Figure S1. PAA 3D molecular structure (a) and chemical bonds and intramolecular hydrogen bond structures (b).

Figure S2. The mass balance of PAA pretreatment and saccharification process according the data from reference [49].



(a) (b)

Figure S1. PAA 3D molecular structure (**a**) and chemical bonds and intramolecular hydrogen bond structures (**b**).

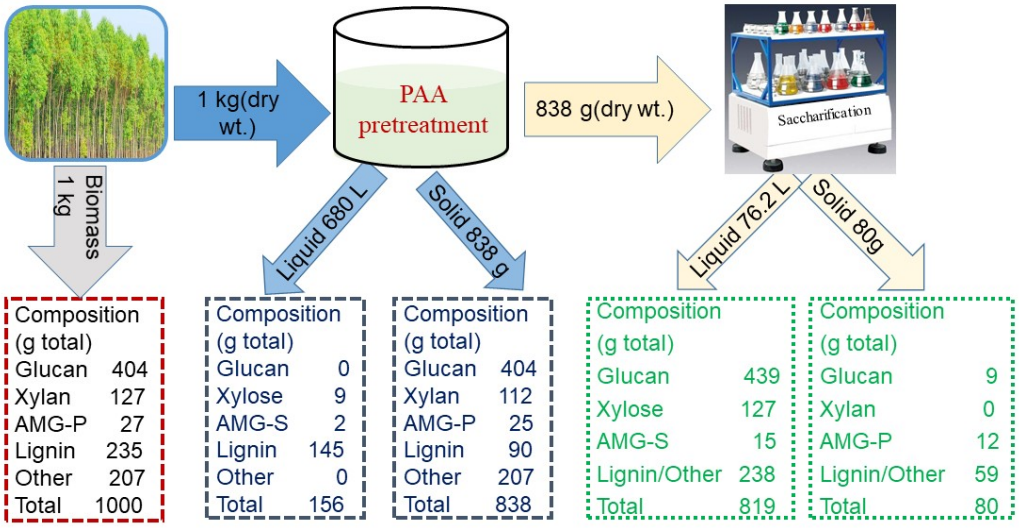


Figure S2. The mass balance of PAA pretreatment and saccharification process according to the data from reference [71]. One cycle of treatment with 125 mM NaOH followed by two cycles of PAA generated by perhydrolase and the subsequent saccharification. AMG-S: total content of arabinose, mannose and galactose. AMG-P: total content of arabinan, mannan, and galactan.