

Figure S1. Estimates of Klason lignin from py-MBMS versus values obtained by wet chemistry.



Figure S2. Results of initial test runs to assess optimal pretreatment severity and enzyme loading. Legend: C, Accellerase 1500 only; X, Accellerase 1500 and Multifect Xylanase 80/20% mixture; L, low enzyme dosage; H, high enzyme dosage; 12, 12.0 min pretreatment time; 17, 17.5 min pretreatment time.



Figure S3. Results of second test run to better assess optimal enzyme loading. Treatments A070–A150 correspond to Accelerase 1500 and Multifect Xylanase 80/20% mixtures at dosages of 70–150 mg/g biomass. A100 corresponds to the parameters used for the main study.