Thermal degradation of hemicellulose and cellulose in ball-milled cedar and beech wood

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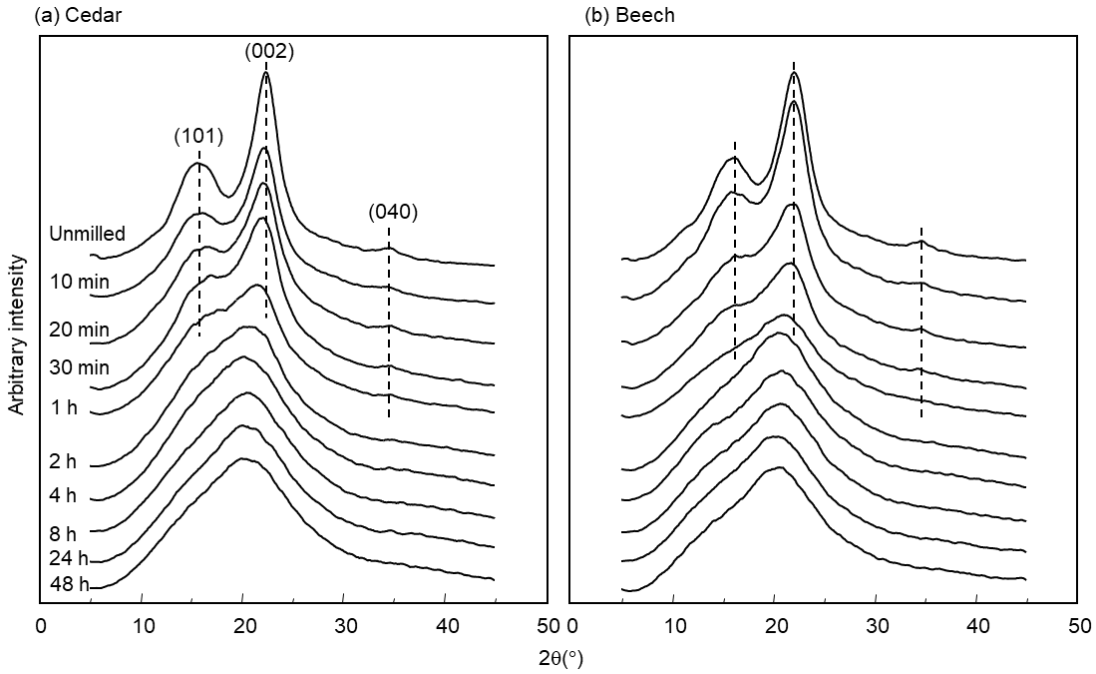

Fig. S1 Effect of ball-milling time on the cellulose crystallinity in Japanese (a) cedar and (b) beech wood

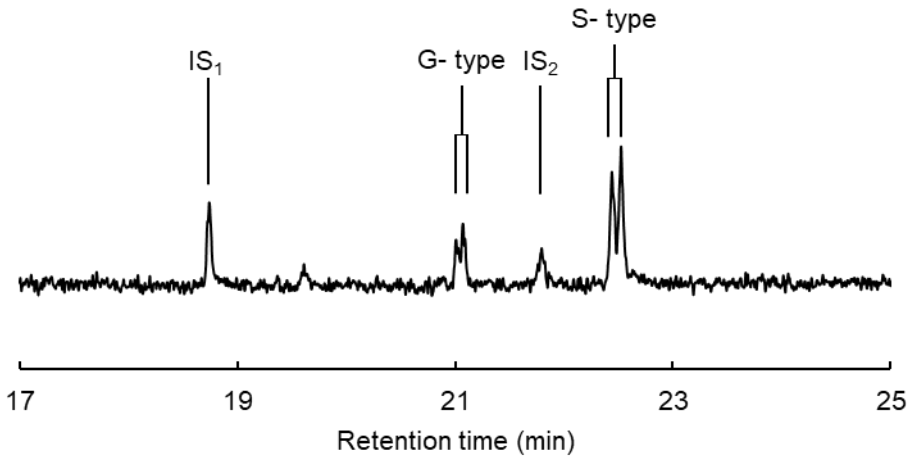

Fig. S2 A typical example of chromatogram of thioacidolysis mixture obtained from 4-hour-ball-milled beech wood (IS_1: tetracosane (C_{24}) IS_2: hexacosane (C_{26}))

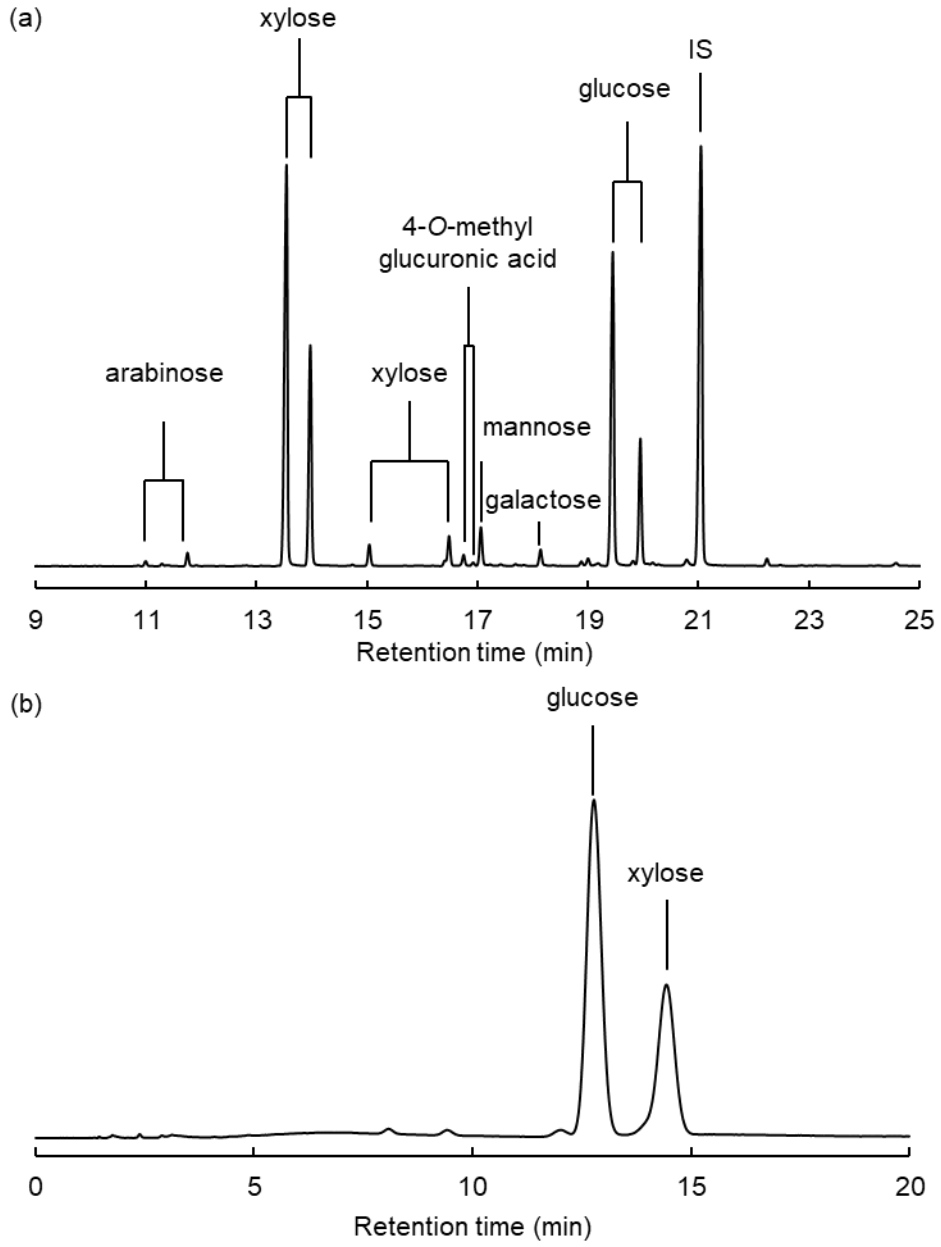

Fig. S3 Typical examples of chromatograms of reaction mixtures obtained by methanolysis (a) and hydrolysis (b) of 4-hour-ball-milled beech wood (IS: glucitol)