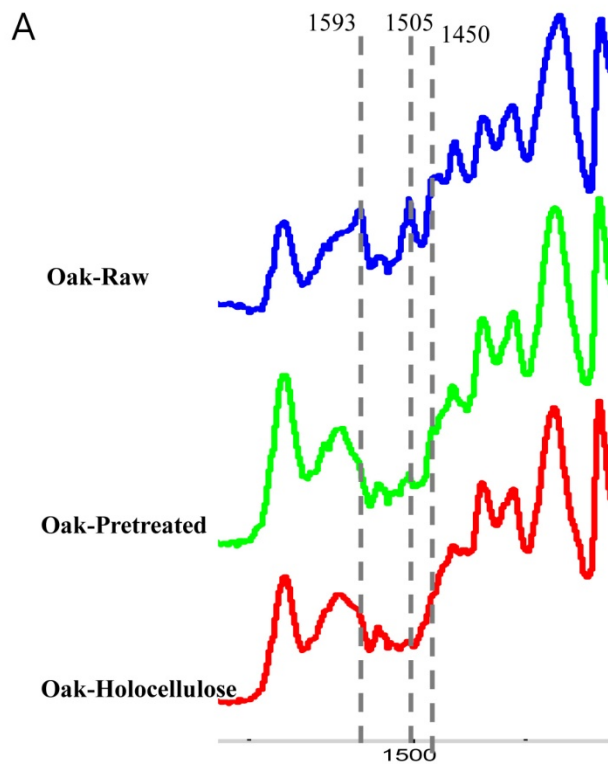
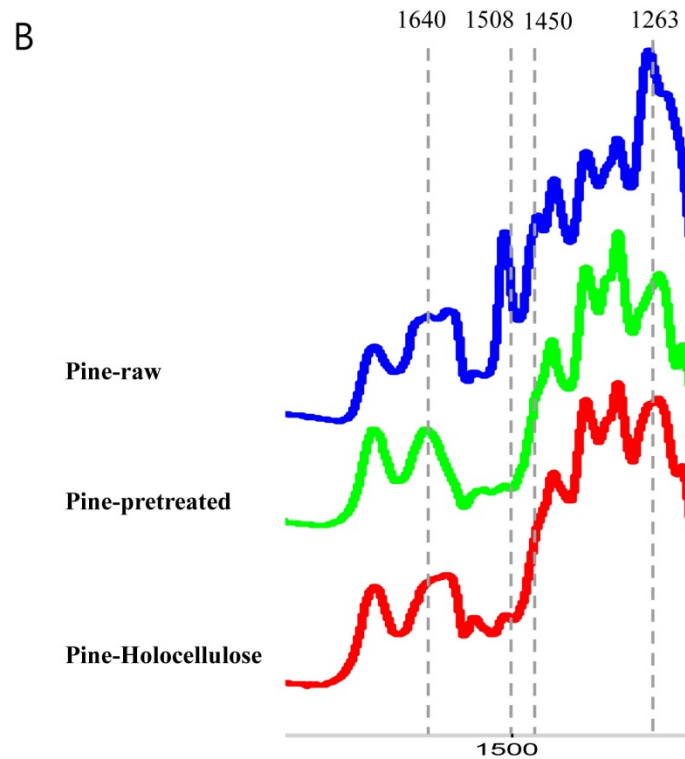


# Additional file 7: Figure S7



1450	C-H deformation: aromatic skeletal vibration of benzene ring in lignin
1505	aromatic skeletal vibration of benzene ring in lignin
1593	C=O stretching conjugated to the aromatic ring



Band, cm-1	Assignment
1263	G ring breathing with carbonyl stretching
1450	C-H deformation in lignin
1508	aromatic skeletal vibrations in lignin
1640	conjugated C=O stretch, Oxidation of component (Zhao, J chem technol biotechnolog 83:950-956 (2008))