Supplementary Information

Lignin condensation inhibition and antioxidant activity improvement in a reductive ternary DES fractionation microenvironment by thiourea dioxide self-decomposition

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Figure S1. Quantitative 13C NMR spectra of EHL, binary DES lignin and ternary DES lignin.

Figure S2. Aqueous potentiometric titration curves of lignin samples. Blue curves: PH; Magenta curves: level-one differential quotient of PH curve.
Figure S3. Molecular weights of extracted lignin fractions.