**Supplementary Figure legends**

**Supplementary Figure S1.** Temperature dependencies of the tensile storage modulus (*E*′) for the L, R and T specimens with 4.4% equilibrium moisture content (EMC) in cooling and heating runs at a frequency of 10 Hz.

**Supplementary Figure S2.** Temperature dependencies of the tensile storage modulus (*E*′) for the L, R and T specimens with 7.2% equilibrium moisture content (EMC) in cooling and heating runs at a frequency of 10 Hz.

**Supplementary Figure S3.** Temperature dependencies of the tensile storage modulus (*E*′) for the L, R and T specimens with 14.1% equilibrium moisture content (EMC) in cooling and heating runs at a frequency of 10 Hz.

**Supplementary Figure S4.** Temperature dependencies of the tensile storage modulus (*E*′) for the L, R and T specimens with 25.2% equilibrium moisture content (EMC) in cooling and heating runs at a frequency of 10 Hz.