

Supplementary Table Captions

Table S1. Combined Pearson's correlation coefficients matrix for days to maturity, stem height, stem numbers and biomass yield.

Table S2. Combined Pearson's correlation coefficients matrix for moisture contents (MC), volatile matter (VM), fixed carbon (FC), ash, higher heating value (HHV), biomass yield (BY) and energy potential (E).

Table S3. Combined Pearson's correlation coefficients matrix for lignocellulosic components.

Table S1. Combined Pearson's correlation coefficients matrix for days to maturity, stem height, stem numbers and biomass yield.

Traits	Days to maturity	Stem numbers	Stem height
Stem numbers	-0.327*		
Stem height	0.690**	0.030 ^{ns}	
Biomass yield	0.779**	0.024 ^{ns}	0.929**

*** = highly significant ($p < 0.001$), * = significant ($p < 0.05$), ns = non-significant.

Table S2. Combined Pearson's correlation coefficients matrix for moisture contents (MC), volatile matter (VM), fixed carbon (FC), ash, higher heating value (HHV), biomass yield (BY) and energy potential (E).

Components	MC	VM	FC	Ash	HHV	BY
VM	-0.181 ^{ns}					
FC	-0.083 ^{ns}	0.025 ^{ns}				
Ash	-0.189 ^{ns}	-0.874 ^{***}	-0.326 [*]			
HHV	-0.170 ^{ns}	0.996 ^{***}	0.116 ^{ns}	-0.905 ^{***}		
BY	-0.117 ^{ns}	0.592 ^{***}	0.328 [*]	-0.618 ^{***}	0.615 ^{***}	
E	-0.117 ^{ns}	0.603 ^{***}	0.325 [*]	-0.627 ^{***}	0.626 ^{***}	0.999 ^{***}

*** = highly significant ($p < 0.001$), * = significant ($p < 0.05$), ns = non-significant.

Table S3. Combined Pearson's correlation coefficients matrix for lignocellulosic components.

Components	Cellulose	Hemicellulose	Lignin
Hemicellulose	0.385**		
Lignin	0.583**	0.192 ^{ns}	
Extractives	-0.850***	-0.806***	-0.550***

*** = highly significant ($p < 0.001$), ** = moderately significant ($p < 0.01$),
ns = non-significant.