

**Table S2** Principal component (PC) coefficients of all traits.

*For each variable, the highest loading values for first three components are in bold.*

Traits/Components	PC1	PC2	PC3
HGT	0.218	<b>-0.409</b>	0.033
TC	0.205	<b>-0.478</b>	0.058
CL	0.175	<b>-0.460</b>	0.127
CW	0.172	<b>-0.478</b>	0.027
NWt	<b>0.392</b>	0.169	0.102
NL	0.351	0.193	0.102
NW	<b>0.376</b>	0.161	0.188
STH	0.325	0.109	-0.277
STE	0.304	0.064	<b>-0.398</b>
SWt	<b>0.386</b>	0.166	-0.052
KWt	0.253	0.165	<b>0.524</b>
KR	-0.147	0.037	<b>0.640</b>
Proportion of variance (%)	46.3	19.8	15.7
Cumulative proportion (%)	46.3	66.1	81.7

HGT = height, TC = Trunk circumference, CL = Canopy length, CW = Canopy width, NWt = Nut weight, NL = Nut length, NW = Nut width, STH = Shell thickness at hilum, STE = Shell thickness at equator, SWt = Shell weight, KWt = Kernel weight, KR = Kernel recovery