

Table S2 Component matrix among traits under CK

	Prin1	Prin2	Prin3
Plant height (cm)	0.26199	0.28336	0.15369
Internode number	0.305	-0.05328	0.22593
Internode length (cm)	-0.306	-0.02777	-0.14684
Stem diameter (mm)	0.30133	0.09956	-0.79401
Flag leaf width (mm)	0.30644	0.00646	0.14036
Flag leaf length (cm)	0.28889	-0.18227	0.03859
Width of top second leaf (mm)	-0.19905	0.41526	-0.00414
Length of top second leaf (cm)	-0.19539	0.42075	0.11976
The number of fertile tillers·m ⁻²	-0.30133	-0.09956	-0.04556
The number of fertile tillers·m ⁻²	-0.19905	0.41526	-0.24005
Florets per spikelet	-0.30133	-0.09956	0.33695
Seed setting rate (%)	0.30133	0.09956	0.1467
1000-grain weight (g)	0	0	0
Actual seed yield (kg·hm ⁻²)	0.27909	0.22563	0.1201
Theoretical seed yield (kg·hm ⁻²)	0.09375	0.51996	0.16907