

Table S8 Component matrix among traits under CCC+TE

	Prin1	Prin2	Prin3	Prin4	Prin5	Prin6
Plant height (cm)	-0.10187	0.02401	0.53926	-0.17935	-0.01843	-0.5628
Internode number	-0.07051	0.02145	0.44677	0.69768	0.4219	0.22713
Internode length (cm)	0.11541	0.15297	0.40009	-0.64717	0.21733	0.41212
Stem diameter (mm)	0.04266	0.30271	0.31172	0.20775	-0.81768	0.22139
Flag leaf width (mm)	0.03206	0.42827	0.03895	0.00275	0.19612	-0.24901
Flag leaf length (cm)	0.27407	0.27259	-0.24194	0.09027	0.15942	-0.10497
Width of top second leaf (mm)	-0.16542	0.3845	-0.09155	-0.03575	0.11955	0.48258
Length of top second leaf (cm)	0.31919	0.27136	-0.04238	0.03408	-0.04722	-0.11255
The number of fertile tillers·m <sup>-2</sup>	0.31972	-0.26369	-0.14775	0.02748	-0.06536	0.14595
The number of fertile tillers·m <sup>-2</sup>	0.39713	-0.133	0.07222	0.01154	-0.03311	0.00506
Florets per spikelet	-0.35821	-0.21088	-0.09238	-0.00823	-0.01742	0.08705
Seed setting rate (%)	0.36864	-0.15067	0.16882	5.97E-06	0.09604	0.1818
1000-grain weight (g)	0.31756	0.28302	0.00615	0.07841	0.0936	-0.16643
Actual seed yield (kg·hm <sup>-2</sup> )	0.08958	-0.34931	0.33961	0.00866	0.0042	-0.01526
Theoretical seed yield (kg·hm <sup>-2</sup> )	0.36209	-0.2196	-0.05174	0.03626	-0.04187	0.06599