

Table2 Correlation analysis of 9 main traits

Trait	X ₁	X ₂	X ₃	X ₅	X ₆	X ₇	X ₈
X ₂	0.30**	-	-	-	-	-	-
X ₃	0.31**	0.75**	-	-	-	-	-
X ₄	0.04	0.1	0.09	-	-	-	-
X ₅	-0.1	-0.11	-0.17	-	-	-	-
X ₆	0.21*	0.17	0.28**	0.22*	-	-	-
X ₇	0.28**	0.19*	0.05	0.09	-0.20*	-	-
X ₈	-0.17	-0.12	-0.07	0.12	0.12	-0.17	-
Y	0.06	0.27**	0.15	0.55**	0.13	0.28**	-0.01

Note: X₁: Growth period; X₂: Plant height; X₃: Ear height; X₄: Ear length; X₅: Ear diameter; X₆: Rows per ear; X₇: Kernels per row; X₈: Ear barren tip; Y: Ear yield; *,** indicate significance at the 0.05 and 0.01 probability levels, respectively