

Table 4 Most promising combinations for different traits along with mean performance and *gca* effects of parents in 30 hybrids

Characters	Hybrids with significant effects	Mean performance of hybrids	<i>gca</i> effects of parents
Panicle bearing tillers per plant	TJ-11010 × NDR-359	1.87	H × A
Panicle length	TJ-25892 × NDR-359	3.50	H × H
	TJ-64897 × NDR-359	2.15	L × H
Spikelets per panicle	TJ-39050 × CSR-36	1.67	L × A
	TJ-25966 × CSR-36	18.42	L × L
	TJ-11010 × NDR-359	17.37	H × H
Grains per panicle	TJ-25966 × CSR-36	18.53	L × L
	TJ-16073 × CSR-36	18.08	A × L
	TJ-11010 × NDR-359	14.22	H × H
Spikelet fertility	TJ-39050 × NDR-359	5.97	L × A
	TJ-16073 × CSR-36	5.71	L × A
	TJ-64897 × CSR-36	5.67	L × A
1000-grain weight	TJ-16073 × CSR-36	1.72	L × L
	TJ-16073 × NDR-359	1.11	L × H
	TJ-16081 × NDR-359	0.75	H × H
	TJ-25892 × NDR-359	0.22	L × A
L:B ratio of kernel	TJ-16081 × PB-1	0.17	H × A
	TJ-10365 × CSR-36	0.15	H × A
	TJ-16073 × CSR-36	2.82	L × L
Grain yield per plant	TJ-5769 × NDR-359	2.42	H × H
	TJ-16081 × NDR-359	2.34	H × H
	TJ-10365 × PB-1	2.05	H × A

Note: H= High (significant and positive); L= Low (significant and negative); A= Average (non-significant)