

Table S13 Fixed effects for canopy height. F values for fixed effects from an analysis of variance (ANOVA) for the TM-1×NM24106 recombinant inbred line (RIL) population, its two parents, and commercial check varieties collected in 2011 and 2012 at the Maricopa Agricultural Center located Maricopa, AZ.

Year	DOY ^a	Source						
		TOD ^b	Genotype	Irrigation Regime	Genotype* Irrigation Regime	TOD*Genotype	TOD* Irrigation Regime	TOD*Genotype* Irrigation Regime
2011	202	6.59 *	3.71 ****	46.55 ****	1.06 ^{NS}	1.25 ^{NS}	3.89 ^{NS}	0.82 ^{NS}
	216	0.09 ^{NS}	5.82 ****	6.50 ^{NS}	1.18 ^{NS}	1.36 ^{NS}	0.02 ^{NS}	0.93 ^{NS}
	223	3.85 *	11.72 ****	33.24 ****	1.34 *	1.02 ^{NS}	3.96 *	0.99 ^{NS}
	230	0.26 ^{NS}	13.90 ****	2.62 ^{NS}	1.43 **	1.54 ***	0.88 ^{NS}	1.18 *
	237	0.01 ^{NS}	16.20 ****	8.31 *	1.58 **	1.15 ^{NS}	0.28 ^{NS}	0.80 ^{NS}
	244	0.36 ^{NS}	9.56 ****	12.90 **	1.21 ^{NS}	1.31 ***	0.62 ^{NS}	1.29 **
	251	0.47 ^{NS}	10.56 ****	77.47 ****	1.11 ^{NS}	1.08 ^{NS}	1.43 ^{NS}	1.15 ^{NS}
2012	201	0.34 ^{NS}	4.37 ****	5.20 ^{NS}	1.28 ^{NS}	1.01 ^{NS}	0.10 ^{NS}	1.04 ^{NS}
	208	0.01 ^{NS}	6.26 ****	11.73 *	1.07 ^{NS}	1.34 *	0.02 ^{NS}	1.33 *
	215	0.09 ^{NS}	9.45 ****	203.00 ****	1.25 ^{NS}	1.18 ^{NS}	0.30 ^{NS}	1.17 ^{NS}
	222	4.55 **	9.76 ****	467.00 ****	1.21 ^{NS}	1.36 ***	0.36 ^{NS}	1.05 ^{NS}
	243	3.91 *	16.06 ****	212.40 ****	1.63 **	1.11 ^{NS}	0.76 ^{NS}	1.14 ^{NS}
	250	4.26 **	11.79 ****	339.30 ****	1.50 **	1.16 ^{NS}	0.82 ^{NS}	1.08 ^{NS}
	258	6.89 ***	12.06 ****	43.36 ****	1.40 *	1.14 ^{NS}	0.09 ^{NS}	1.27 **

a. DOY, day of year – Julian calendar.

b. TOD, time of day within the day of year – MST.

NS Not Significant at the < 0.05 level.

* Significant at the < 0.05 level.

** Significant at the < 0.01 level.

*** Significant at the < 0.001 level.

**** Significant at the < 0.0001 level.