

**Table S13 Replicate 1 tassel branch number: mean, standard deviation, sample size, and significance groupings.**

Chromosome Arm	Tassel Branch Number			
	E	F	H	O
1S	19.86±5.93 <sup>a</sup> (7)	21.3±5.12 <sup>a</sup> (10)	12.06±7.38 <sup>ab</sup> (17)	2.83±1.94 <sup>b</sup> (6)
1L	16.88±2.95 <sup>a</sup> (8)	16.71±5.82 <sup>a</sup> (14)	8.67±3.94 <sup>a</sup> (9)	8.25±5.68 <sup>a</sup> (4)
3S	18.63±6.07 <sup>a</sup> (8)	17.67±5.03 <sup>a</sup> (18)	20±3.42 <sup>a</sup> (15)	6±NA (1)
3L	15.56±4.33 <sup>a</sup> (9)	15.55±5.75 <sup>a</sup> (11)	15.75±1.48 <sup>a</sup> (12)	5.71±5.96 <sup>a</sup> (7)
4S	15.42±3.32 <sup>a</sup> (12)	14.85±2.27 <sup>a</sup> (13)	13.69±5.02 <sup>a</sup> (13)	13.86±4.06 <sup>a</sup> (7)
4L	20.09±3.36 <sup>a</sup> (11)	18.29±6.37 <sup>a</sup> (14)	14.64±8.86 <sup>ab</sup> (11)	5.38±2.45 <sup>b</sup> (8)
5S	19.29±3.47 <sup>a</sup> (14)	20.38±5.82 <sup>a</sup> (13)	18.06±6.34 <sup>ab</sup> (16)	7.67±2.58 <sup>b</sup> (6)
5L	12±NA (1)	12.71±6.02 <sup>a</sup> (14)	13.05±2.07 <sup>a</sup> (19)	9.33±0.58 <sup>a</sup> (3)
6L	15±3.32 <sup>a</sup> (9)	10.89±6.92 <sup>a</sup> (9)	6.89±2.26 <sup>a</sup> (9)	14.6±4.17 <sup>a</sup> (15)
7L	14.63±4.96 <sup>a</sup> (8)	14.75±5.7 <sup>a</sup> (8)	18.82±3.92 <sup>a</sup> (11)	3.43±1.51 <sup>b</sup> (7)
8L	10±3.41 <sup>ab</sup> (6)	19.09±4.78 <sup>a</sup> (11)	7.43±3.01 <sup>b</sup> (14)	19.71±5.28 <sup>a</sup> (14)
9S	18.92±3.58 <sup>a</sup> (12)	20.1±3.28 <sup>a</sup> (10)	19.5±4.05 <sup>a</sup> (16)	13.57±1.9 <sup>a</sup> (7)
9L	21.22±3.93 <sup>a</sup> (9)	15.3±4.03 <sup>a</sup> (10)	12.76±2.77 <sup>a</sup> (17)	20.9±6.4 <sup>a</sup> (10)
10L	19.77±4.28 <sup>a</sup> (13)	17.11±4.57 <sup>a</sup> (9)	15.08±1.26 <sup>a</sup> (13)	19.6±5.86 <sup>a</sup> (5)

This table contains each group's mean ± group standard deviation and the sample size, n, of each group in parenthesis (n). In superscript, linked to the standard deviation are letters "a", "b" and "c" which indicate groups not significantly different from each other at the p≤0.05 level. Dosage designations are as follows: Euploid plants (no B-A present)-E; Euploid plants (B-A present and failure of nondisjunction)-F; Hyperploid plants-H; Hypoploid plants-O