## GENETICS

## **Supporting Information**

http://www.genetics.org/cgi/content/full/genetics.109.101527/DC1

Note

## Excision of Helitron Transposons in Maize

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	والتباكية فليرتب التراك التاكية فكالبسطار كالتباك			والتكرية الأوكامية أعركا للجارية كالكامي كالكرك الأكاف كما والتكريك التكريك والتكريك
TATATTTAA	<b>AAAATATAAAATTAT</b>	GAAAGTAGCAGAC	AGTACTTCTTCTGTT	ACACGTTTTAGTTTTTAAAATACAT
5	570 580	590	600 610	620 630
W23-P2-P5TATATTTAA	AAAATATAAAATTAT	GAAAGTAGCAGAC	AGTACTTCTTCTGTT	ACACGTTTTAGTTTTTAAAATACAT
Clone-A04 TATATTTAA	AAAATATAAAAATTAT	GAAAGTAGCAGAC	AGTACTTCTTCTGT1	ACACGTTTTAGTTTTTAAAATACAT
Clone-A05 TATATTTAA	AAAATATAAAATTAT	GAAAGTAGCAGAC	AGTACTTCTTCTGT1	ACACGTTTTAGTTTTTAAAATACAT
Clone-B05 TATATTTAA	AAAATATAAAATTAT	GAAAGTAGCAGAC	AGTACTTCTTCTGTT	ACACGTTTTAGTTTTTAAAATACAT
Clone-C05 TATATTTAA				
				ACACGTTTTAGTTTTTAAAATACAT
				ACACGTTTTAGTTTTTAAAATACAT
				ACACGTTTTAGTTTTTAAAATACAT
				ACACGTTTTAGTTTTTAAAATACAT
Clone-H10 TATATTTAA	AAAATATAAAATTA1	GAAAGTAGCAGAC	AGTACTTCTTCTGT1	ACACGTTTTAGTTTTTAAAATACAT
TTTTTATAT	GTATTTAGATATAT/	ATATTATGTCTATAT	ACACGCTGAAATTAA	TATATCTAAAATTGTGTCAATTTATT
	660	670	680 690	700 710
				TATATCTAAAATTGTGTCAATTTATT
Clone-A04 TTTTTATAT				TATATCTAAAGTTGTGTCAATTTAT
				TATATCTAAAATTGTGTCAATTTAT
Clone-D05 TTTTTATAT				TATATCTAAAATTGTGTCAATTTAT
				TATATCTAAAGTTGTGTCAATTTAT
Clone-E05 TTTTTATAT	GTATTTAGA TATAT/	ATATTATGTCTATA	ACACGCTGAAATTAA	TATATCTAAAATTGTGTCAATTTAT
Clone-F04 TTTTTATAT	GTATTTAGA TATAT/	ATA TTATGTCTATA 1	ACACGCTGAAATTAA	TATATCTAAAATTGTGTCAATTTAT
Clone-G03 TTTTTATAT	GTATTTAGA TATAT/	ATA TTATGTCTATA T	ACACGCTGAAATTAA	TATATCTAAAATTGTGTCAATTTAT
Clone-G04 TTTTTATAT	GTATTTAGA TATAT/	ATA TTATGTCTATA 1	ACACGCTGAAATTAA	TATATCTAAAATTGTGTCAATTTAT
Clone-H03 TTTTTATAT	GTATTTAGA TATAT/	ATATTATGTCTATA	ACACGCTGAAATTAA	TATATCTAAAATTGTGTCAATTTAT
Clone-H10 TTTTTATAT	GTATTTAGA TATAT/	ATATTATGTCTATA	ACACGCTGAAATTAA	TATATCTAAAATTGTGTCAATTTATT
		هر ها از با ک دول کر با کر کر کر	د این که بهای که بین که بیندی که این این کا ه	د بر های ما <sup>ر</sup> در ای او این بر می و این او این او ای او این او
	1			TTAATTTTGTTCATATTATTTATT
7	730 740	750	760 770	780 790
W23-P2-P5ACTTTAATA	TTACCAATCCATTTO	GTGATATATTTAGA	ACTGTTTACAACTTAT	TTAATTTTGTTCATATTATTTATT
Clone-A04 ACTTTAATA	TTACCAATCCATTTO	GT GATATATTTAGA/	CTGTTTACAACTTAT	TTAATTTTGTTCATATTATTTATT
Clone-A05 ACTTTAATA	TTACCAATCCATTTC	GT GA TA TA TT TA GA	CTGTTTACAACTTAT	TTAATTTTGTTCATATTATTTATT
Clone-B05 ACTTTAATA	TTACCAATCCATTTC	GT GA TA TA TT TA GA	CTGTTTACAACTTAT	TTAATTTTGTTCATATTATTTATT
Clone-C05 ACTTTAATA	TTACCAATCCATTTO	GT GATATATTTA GA	CTGTTTACAACTTAT	TTAATTTTGTTCATATTATTTATT
Clone-C10 ACTTTAATA	TTACCAATCCATTTC	GT GATATATTTA GA	CTGTTTACAACTTAT	TTAATTTTGTTCATATTATTTATT
Clone-D05 ACTTTAATA	TTACCAATCCATTTO	GT GATATATTTA GA	CTGTTTACAACTTAT	TTAATTTTGTTCATATTATATTATT
Clone-E04 ACTTTAATA				
Clone-E05 ACTTTAATA				
				TTAATTTTGTTCATATTATTTATT
Clone-G03 ACTTTAATA				
Clone-G04 ACTTTAATA				
				TTAATTTTGTTCATATTATTTATT
				TTAATTTTGTTCATATTATTTATT
CIOILE-HIU ACTITIAATA	CIACCAAICCAIIIC	ST GATATATITA GAT	CI GI I I ACAACITAI	

Figure S1.— No TA repeat variation detected at the W23 *HelA2* vacant site. The absence of a W23 vacant site in Figure 1B results from a deletion of the p6 priming site in this inbred. The vacant site was amplified with a combination of p2 and p5 primers (Figure 1A) and 13 clones were sequenced. All had the same number of TA repeats (boxed in blue). The W23 consensus sequence is shown above the line.