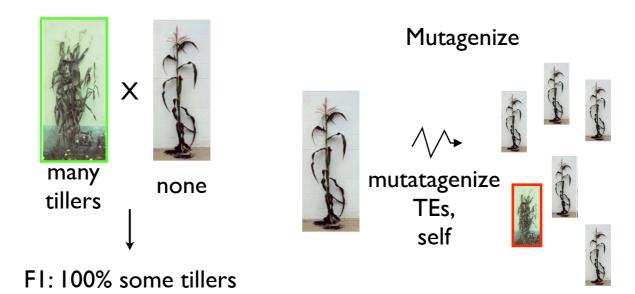
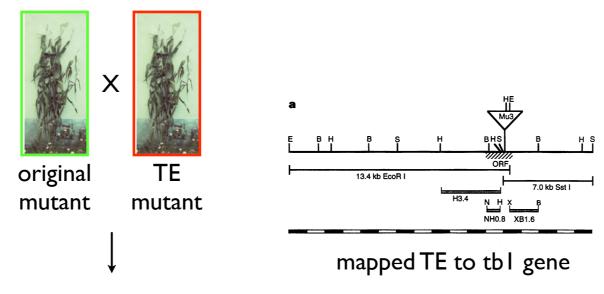
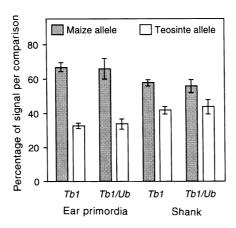


Gene Action





FI: 100% many tillers

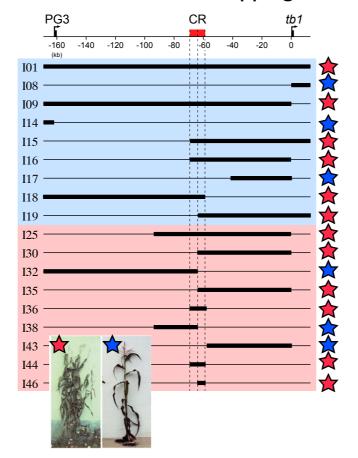


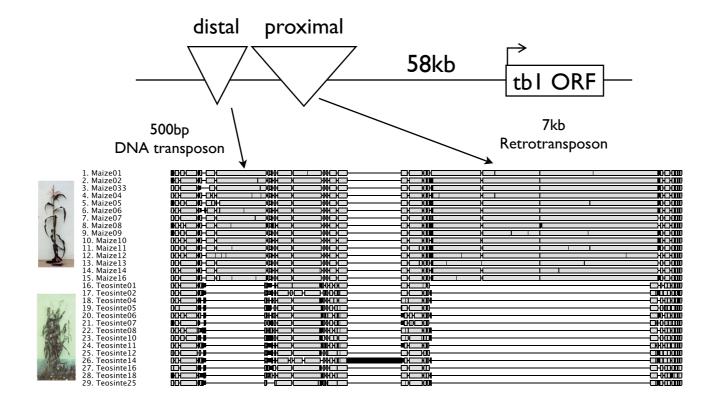
maize allele has higher expression

1	L G V P S V GCCTTGGAGT CCCATCAGTA	K H M F P F C D S S S P M D L P L Y Q Q ANGENCATET TECTTTETT TEATTCETCA AGCCCCATEG ACTTACCGET TEACCAAC	
81	L Q L S P S S CTGCAGCTAA GCCCGTCTTC	P K T D Q S S S F Y C Y P C S P P F A : CCCAAAGACG GACCAATCCA GCAGCTTCTA CTGCTACCCA TGCTCCCCTC CCTTCGCC	
161	A D A S F P L CGCCGACGCC AGCTTTCCCC	TCAGCTACCA GATCGGTAGT GCCGCGGCCG CCGACGCCAC CCCTCCACAA GCCGTGAT	CA
241	S P D L P V ACTOGOOGGA COTGOOGTG	Q A L M D H A P A P A T E L G A C A S G CAGGCGCTGA TGGACCACG GCGGGCGCG GCTACAGAGC TGGGCGCCTG CGCCAGTG	
321	A E G S G A S GCAGAAGGAT CCGGCGCCAG	L D R A A B B B B B B B B B B B B B B B B B	6
			Ð
		CASTGGCTC TCACACACTC CAASTCCGC ATCCAGGAGA TCATGGCCGA CGACGCG	3
	S E C V E D G	S S L S V D G K H N P A E Q L G G G CTCCACCAC CTTCCCTCG ACGCAAGCA CAACCCGGCA GAGCACCTGG GAGGAGGA	G
	D Q K P K G N		P
	PRKSAN	N A H O V P D K D D D D D D D D D D D D D D D D D	
801	KEKHR CGGACCAAGG AGAAGCACCG	M R W V K L A S A I D V E A A A A S V GATGEGETG GTAMAGETTG CGTCCGCAAT TGACGTGGAG GCGGCGGCTG CCTCCGCTC	
881	S D R P S S N GAGCGACAGG CCGAGCTCGA	N L S H H S S L S M N M P C A A A E L A ACAATTTGAG CCACCACTCA TCGTTGTCCA TGAATATGCC TTGTGCTGCC GCTGAATI thl-mum3	
961	ERERCS		
,01	tb1-mum1	aya naga nyy coe owel GG	
1041		AGGATACGGC GACGGCGGCG GCAACTACTA CTGCCAAGAG CAATGGGAAC TCGGTGG	

but no difference in coding sequence

Fine mapping the causative region





• DNA sequence identifies fixed differences

• Transient assay (enhancer bashing) to ID functional region

