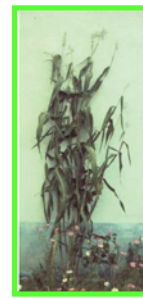


Gene Action



X



many
tillers

none

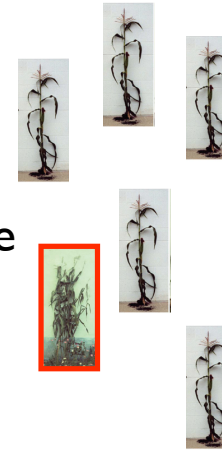


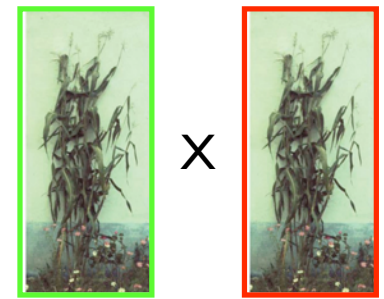
F1: 100% some tillers

Mutagenize



mutatagenize
TEs,
self





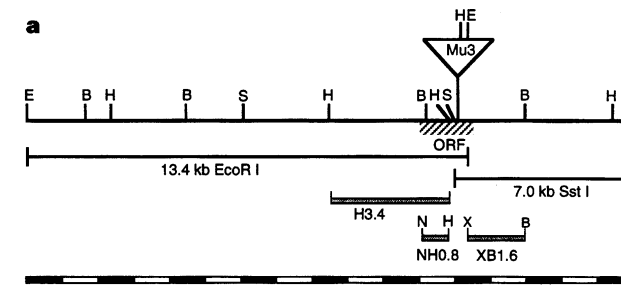
X

original
mutant

TE
mutant



F1: 100% many tillers

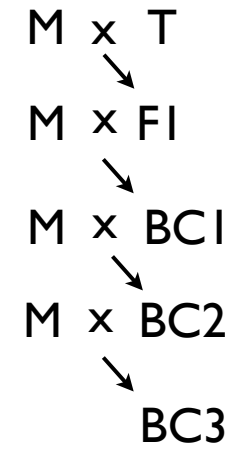
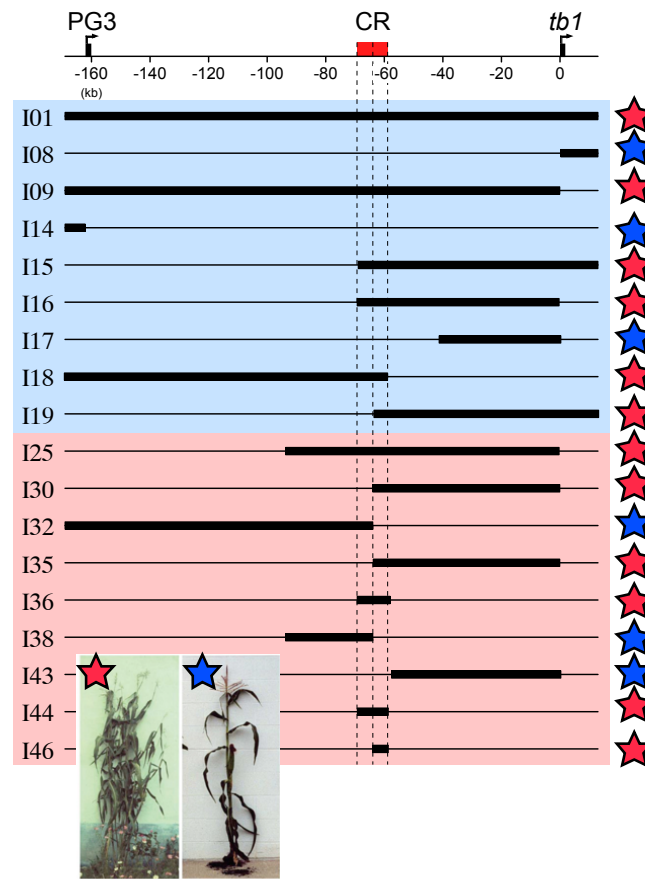


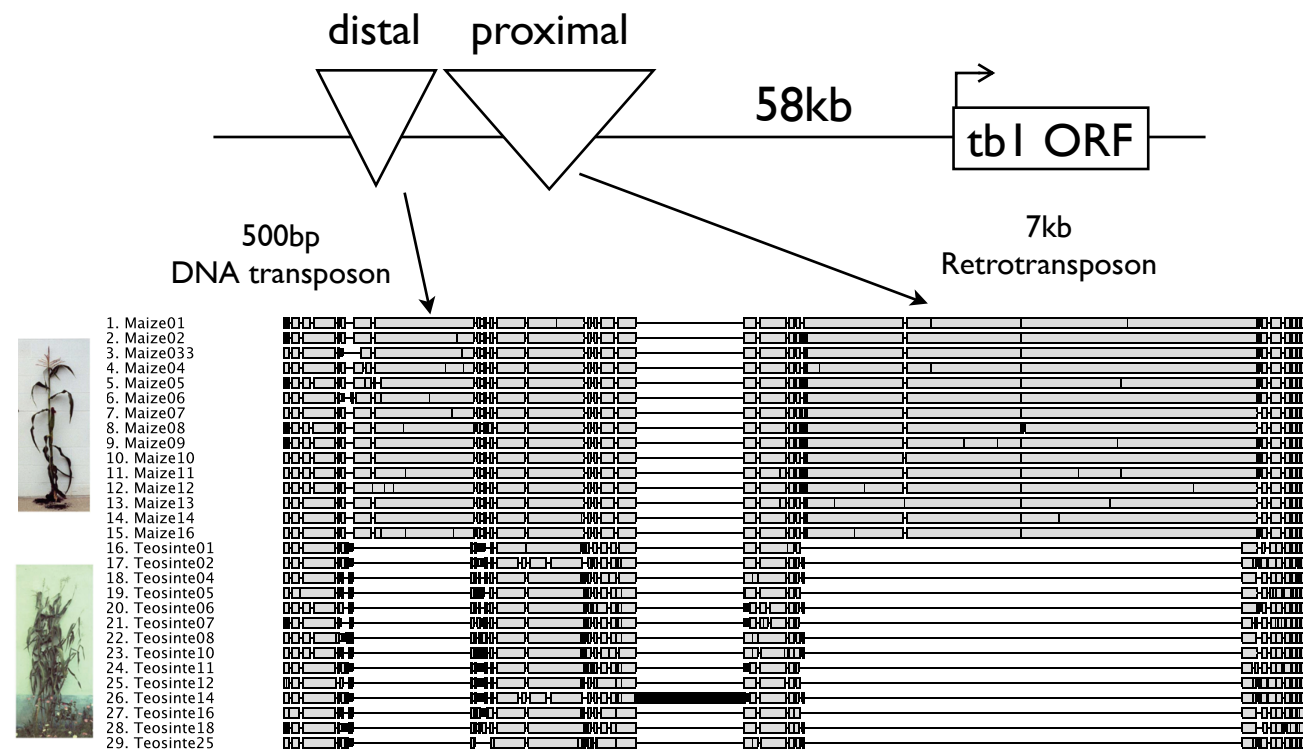
mapped TE to *tb1* gene



but no difference in
coding sequence

Fine mapping the causative region





- DNA sequence identifies fixed differences

- Transient assay (enhancer bashing) to ID functional region

