

## MK000012=Reducing Sugar (Rs)

**Marker:** Rs

**Type:** Codominant

**Description:** Reducing sugar type

**Reference:** Yuan-Yeu Yau, file Yau1020.doc, [Ph.D. thesis 2001](#) Chapter 3, [Plant Mol. Biol. 53, 151-162 \(2003\)](#)

**Primers:** INV-22 .....5'-TGA ATG CGG AGC CGC CGG CTA ATT-3'  
INV18 .....5'-TAA ATG GTA CCA TCC CTT GTA GAA T-3'  
rsINVIIImut-1 .....5'-GGA ATT TAA GGA TAC TTC CAA AAC-3'

**PCR Reaction:**

**PCR Program:** 94°C 3:00; 40 cycles of {94°C 0:30; 56°C 1:00; 72°C 2:30}; 72°C 10:00; 4°C hold.

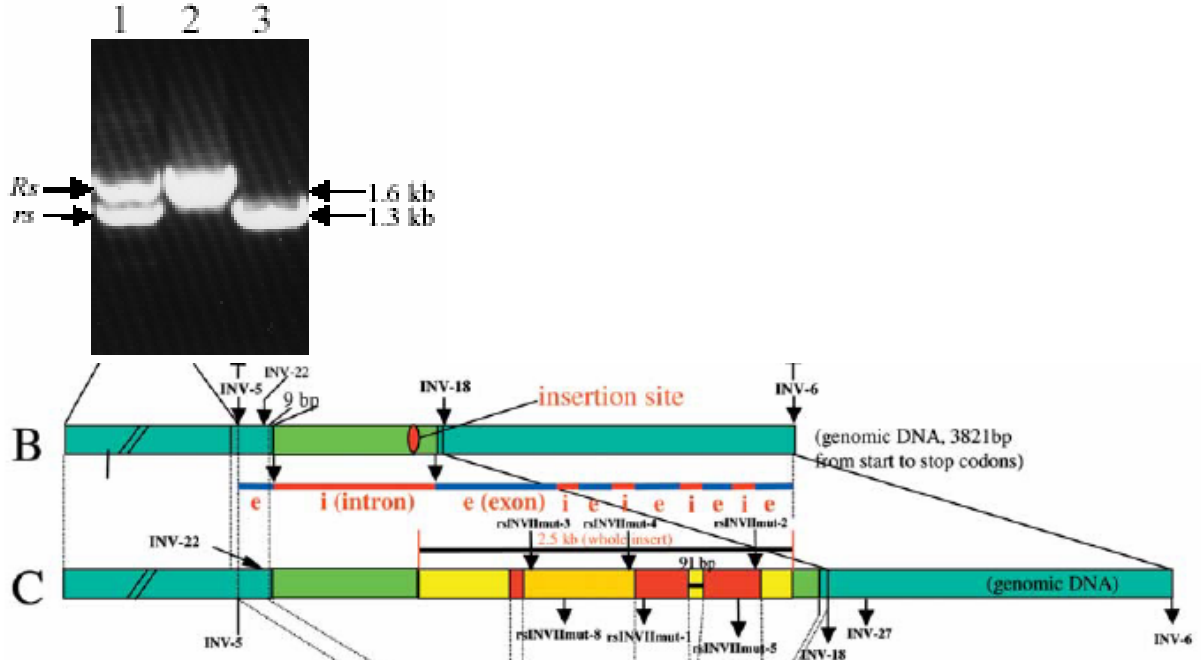
**Screening Method:** Product size by agarose gel

**Product Sizes:** Rs: INV-22 + INV18 = 1.6kb

rs: rsINVIIImut-1 + INV18 = 1.3kb

**Genbank references:** [AY368232](#) = rs genomic sequence, [AY368233](#) = a746 allele, [AY368234](#) = b498 allele

**Example:**



**Sequence Information:**