

MK000010=U12/700

Marker: U12-700

Type: Dominant

Description: STS primers (derived from a subset of RAPD markers) that were tested for polymorphisms at the *Mj-1* locus in carrot. Not linked to *Mj-1*.

Reference: [Leonardo Ph.D. Thesis](#) Table 4.1

Primers: U12 TIPICO 5'5'-TTC ACC AGC CAT AAT GTT GGA TTA G-3'
U12 TIPICO 3'5'-TTC ACC AGC CAC TAC CTC AAT TTC-3'

PCR Reaction: 94°C 2:00; 40 cycles of {94°C 0:30; 55°C 1:00; 72°C 1:30}; 68°C 10:00

PCR Program:

Screening Method:

Product Sizes: .

Example:

Sequence Information: From Leonardo's thesis table 8.25: (94) OP-U12/700 BR. Ten b.p. on each end is RAPD primer sequence. **Primers do not match in this sequence.**

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tcaccagccaTAATGTTGGATTAGTTAATCGATACAGGAATCTAAACTATTCATATAAAATATTTTATTGTA
AAATTTTAGATTTTCATCATACTATATTATGCGAATTTTATAATTGGTGGGGCTAATTTATGTTGCAAATTA
AGAAAAGCAAAATCCAATTCAATAGAATATTTGTTCTGTGACATTTGCATAAMcCCAGTTTTGTATGTCAA
TACGGTTAGTGATCAMCTTTATATGATCGATTAACCTGGTGAATTTCTAAAATCTATTTTAGATATCACAM
CTTTTCATACTCAAATTAATAATATTTATGAACAAAACAAAAGAGGGTGAAGTTGTAAGGCTACATGCTTA
TCACATGAGAGGTGAGGGGAAGAGTTTAATTCTGATTATGAGAGAATAAAATATCGTTATAAATGACATTGA
AATTGAGGTAGTGTTGGTGCTWATGAAGATGAAAAAGAAGAGGATGTTCCATTTGTAGGTaCSAATGAAG
TTTCTTTTGATTAGGAAAAAAATGAARKTTATTTGGTATTCATTTTGACGAGGTGATGAANCAATATGG
AGATGATGAAGAAAGTATGATGACTATGAAGTGATAGTGAAGTGAACAAAAGATTGAGGAGGGGAAGAGT
TAACTCTGATTATGAGAGAATAAAATATCGTTATAAATGACATTGAAATTGAGGTAGtggctggtg
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