

MK000005=AA4/800

Marker: AA4-800

Type: Dominant

Description: STS primers (derived from a subset of RAPD markers) that were tested for polymorphisms at the *Mj-1* locus in carrot

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

Primers: Primer sequences as published (not in primer inventory!):

AA4-8005'-TGG CTC CCT CGA TGT TAC T-3'

AA4-8005'-CAT AAG ATT GTT AAC GTT CAC TTT-3'

Primer sequences as shown in primer inventory:

AA4/800 Forward5'-GAC TGC TCC TCT ATT TAT-3'

AA4/800 Reverse5'-ATT TTT GGG AAG ATG AG-3'

PCR Reaction:

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

Screening Method:

Product Sizes: .

Example:

Sequence Information: From Leonardo's thesis table 8.25: (87) OP-AA4/800 BR. Ten b.p. on each end is RAPD primer sequence.

AGGACTGCTCCTCTATTTATAAGGATTTAGAATATGGGACGATTATAGAAAATATGATACAGGACTTTGTCTTGTATTT
TTAGAAATTTTGATTTGTATGTAATATTTTATAATACAATATAATATATAATATAGCTAAGCGTAATTTTGATCGGAT
CATTAATAAATCGAGTTTGATCATACTATATCCATCCTTTATCAGACCGAATTATATCAGAATAATTTTATAATA
AGTGTCATATCCATTTATTTAATCAAGGATCCGATCGGACATCCGATGCATTTGCAAGGGTACTCTCTGCCCATAAAG
TTGTTAACGTTCACTTTTGCATACATTTGATAATCCTATAAAAATATAATTGTATAATGTGTTTGTAAATTTGTTTTTTG
GAATAAAAAGTTAAACATCAAACCTTATTAGGTGAAAAATAAAAAATAATAGAACTATATTTTAAAAAAGCTTAAAA
AGTGTGTCAAAAAATAATGTTAACAATCCAACAAAATAGGAGAAGTATATAGAAAGATATTCAATGATTTCCGTGTA
ATCTTCCCAAAAATGTTTCGAAATCTGTAACGGCCCTCTAAGTAGATATCGAATTTTGATTTTATATGTCTCGAATATG
TAGGAATATGATTAACATTGTACAGAGAAATAAAAATTCCAACTCTTTTCCCATACAAATTTAATAAATCAGAGAAT
AAAGTTCAAAACATCAAATAACAAAAGACCCATTAATAAATATCAAATAACATTTAATAAACCACGGTTTGCTGAGCAGT
CCT