

MK000015=Dominant Scar AACCAT315-Q/H

Marker: Scar-AACCAT315-Q/H

Type: Dominant

Description: Conserved AFLP fragments

Reference: [Carlos Santos, Ph.D. thesis 2001](#) p 119 (Table 3.3) pp 177-179; [Genetics and Molecular Biology, 25, 2, 195-201 \(2002\)](#)

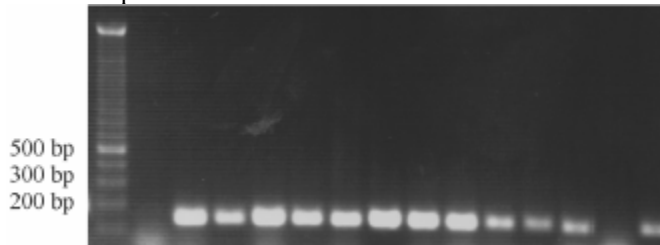
Primers: Frag33Left.....5'-TAACAGATATGCGTCGGTGA-3'
Frag33Right.....5'-TGCAGGATCATAACCAAACAA-3'

PCR Reaction:

PCR Program: 35 cycles of {94°C 0:30; 56°C 0:40; 70°C 1:00}

Screening Method: Product size by agarose gel

Product Sizes: 242 bp



Example:

This gel, though described as a different marker (GGACAG272-4/H), has the name of the sequence below. The Table 3.3 had a duplication and perhaps the names are not aligned. Also note that primer set Frag5Left+Frag5Right is in the primer list but not the table, it might be the missing row.

Screened entries are Brasilia, HCM, 493, QAL, Heritage, Enterprise, Kamila, Napa, W226A x WAY271B, Bolero, Fullback, SDC1374, SSC19087, (6366x2144)x0186C, from left to right

Genbank reference:

Sequence Information:

This sequence, though described as a different marker (GGACAG272), has the primers shown for this marker.

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B493 or HCM
00001 GATGAGTCCT GAGTAACAGA TATGCGTCGG TGATAGCAAT GGAAACCACC TCGAAGCTGG
00061 ATGATCAGCA GTGGCTTGCT TATTGGATCC TTTATTCCTT CCTCACTCTA CTCGAAATGC
00121 TTTTACAACC TCTCTTAGAA TGGTATACAG ATCAATTGAA CTCTTTGCAA CCAAATGAAA
00181 TTTGAAAAAA ATTAGGACTT CCAGACAAAA ATTTAGAATC TAAATATACA ATGTTTGTTT
00241 GGTATGATC CTGCATGTAC GCAGTC
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AFLP fragment from Carlos Santos Ph.D. Thesis Figure 5.7. GGACAG272 sequenced AFLP fragment with 100.00% identity between B493 and HCM. The first 13 and last 12 nucleotides are the AFLP adaptors.