

## **MK000016=Dominant Scar GAGCAC444-4/H**

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**Marker:** Scar-GAGCAC444-4/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 \(2002\)](#)

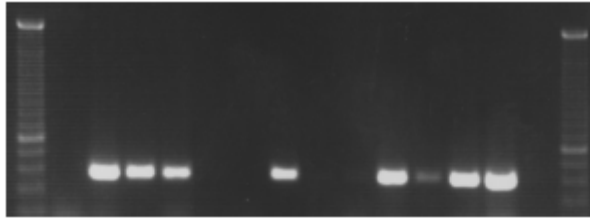
**Primers:** Frag12Left.....5'-TAACACGGCTGGTAACTTTGC-3'  
Frag12Right.....5'-TGCAGAGACAGGATAATCAAAGA-3'

**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:** 405 bp



**Example:**

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:**

```
B493 or HCM
00001 GATGAGTCCT GAGTAACACG GCTGGTAACT TTGCTAGACG CCTTCTAGAG ACCAACCCTAA
00061 CAAATGAGAA CCAAGCCAAG ATGGCCAGGC AAGTTCTGCA AGCTGCTGAG AAGAATATGA
00121 AAGATGCGTC TCAGCTGAAC TATGACTTTA GAAATCCTTT TGTGGTTTGT GGAGCCACAT
00181 ATGTTCCCTAT TTACCGAGGA CAGAAAGATG TGTTCATGCC ATACTGTAGC TCCAGGTTTG
00241 TGCCAGCCCA GGATGGGCAG CTTTGTAAATG TATGTGATCT TGCAACAGTC GGTGCTGATG
00301 CTTCAGGTTT ACTCTGCTCT CCCTCCCAAG TCAGATGATG AATTACTGGA ACATTGAGGT
00361 AATGGACCTT ATAGATTGCG CAATGGGATG GTCCATCTTT GATTATCCTG TCTCTGCATG
00421 TACGCAGTC
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AFLP fragment from Carlos Santos Ph.D. Thesis Figure 5.5. GAGCAC-444 sequenced AFLP fragment with 100.00% identity between B493 and HCM. The first 13 and last 12 nucleotides are the AFLP adaptors.