

## MK000017=Dominant Scar GATCTC386-4/B

**Marker:** Scar-GATCTC386-4/B

**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 \(2002\)](#)

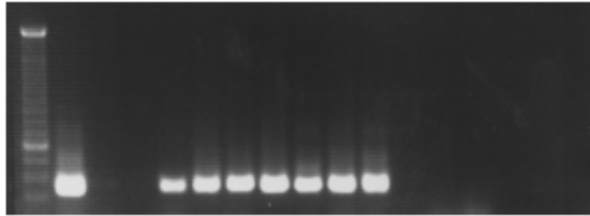
**Primers:** frag 22 left.....5' - TAACTCTTGGATTTTCATTGAGTTTG-3'  
frag 22 right.....5' - TAACGTTATCAGGATATCAGAGAGGA-3'

**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:**



**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:**

```
Brasilia
00001 GATGAGTCCT GAGTAACTCT TGGATTTCTG TGAGTTTGGC ATAAGTTCAA ACTAGACTTC
00061 TACGTATAAA TTATAAATCA TCAGTATATT TTCTACAAGG TATACAATCA ACAGACTGGT
00121 ATACAGAGAA AGTGCAGATG TATAATTACA AAGTAATAAG ATACAAGCCA AAAAAGAATC
00181 ACTGTAATCC TCCACTTATT CTAATAAAAA CCAAGGAGGA AAATATATAT GTGAACTGTG
00241 AAGTGACCAA AAATCTGAGC ATAAAAGAAA AGGAACCCTA AAAGGGAATA GGATGATATC
00301 AAATCTATAA CCTAACCTA AACTTACAGC TCCTCTCTGA TATCCTGATA ACGTTATCTG
00361 CATGTACGCA GTC
```

```
B493
00001 GATGAGTCCT GAGTAACTCT TGGATTTCTG TGAGTTTGGC ATAAGTTCAA TCTAGACTTC
00061 TACGTATAAA TTATAAATCA TCAGTATATT TTCTACAAGG TATACAATCA ACAGACTGGT
00121 ATACAGAGAA AGTGCAGATG TATAATTACA AAGTAATAAG ATACAAGCCA AAAAAGAATC
00181 ACTGTAATCC TCCACTTATT CTAATAAAAA CCAAGGAGGA AAATATATAT GTGAACTGTG
00241 AAGTGACCAA AAATCTGAGC ATAAAAGAAA AGGAACCCTA AAAGGGAATA GGATGATATC
00301 AAATCTATAA CCTAACCTA AACTTACAGC TCCTCTCTGA TATCCTGATA ACGTTATCTG
00361 CATGTACGCA GTC
```

AFLP fragment from Carlos Santos Ph.D. Thesis Figure 5.6. GATCTC386 sequenced AFLP fragment with 98.56% identity between Brasilia and B493. The first 13 and last 12 nucleotides are the AFLP adaptors.