

## Marker Name: PF26

### Linkage Group: V

#### Primer Sequences

PF26-R: AGATGAACCTCGTGCCTCAGCGGC

PF26-F2: GAAGAACGGATCAGAGCGGTGTGGG

PF26-F3: GGAACGTGGGGGACATACCCGG

**Recommended For:** Single or Bulked Segregant Analysis

Samples run in a 1% agarose gel at ~110V for 1h30



|            |      |   |   |   |   |   |   |   |   |            |      |
|------------|------|---|---|---|---|---|---|---|---|------------|------|
| DNA        | S1D2 | 1 | - | 1 | 1 | 1 | 1 | 2 | 5 | 100 bp     | 1 kb |
| Mass Ratio | C.r. | - | 1 | 1 | 2 | 3 | 4 | 1 | 1 | MW markers |      |

|             | <b>PF26</b> |
|-------------|-------------|
| C.r. allele | 206 bp      |
| S1D2 allele | 529 bp      |

| <b>PCR Reaction Mix</b><br>(30 $\mu$ l reaction) |              |
|--|--------------|
| Components                                       | Amount       |
| 80% Glycerol                                     | 3.1 $\mu$ l  |
| Formamide  | 0.25 $\mu$ l |
| GoTaq Buffer                                     | 7.0 $\mu$ l  |
| PF26-R (10 $\mu$ M)                              | 1.0 $\mu$ l  |
| PF26-F2 (10 $\mu$ M)                             | 1.0 $\mu$ l  |
| PF26-F3 (10 $\mu$ M)                             | 1.0 $\mu$ l  |
| 10mM dNTPs                                       | 0.5 $\mu$ l  |
| H <sub>2</sub> O                                 | 15.0 $\mu$ l |
| DNA  | 1.0 $\mu$ l  |
| GoTaq DNA Poly                                   | 0.25 $\mu$ l |

| <b>PCR Program</b> |          |          |
|--------------------|----------|----------|
| Temperature        | Time     | # Cycles |
| 94.0°C             | 2 min    | 1        |
| 94.0°C             | 1 min    | 40       |
| 60.0°C             | 1 min    |          |
| 72.0°C             | 1 min    |          |
| 72.0°C             | 10 min   |          |
| 72.0°C             | 10 min   | 1        |
| 4.0°C              | $\infty$ | 1        |