

## Marker Name: CIA5

## Linkage Group: II

### Primer Sequences

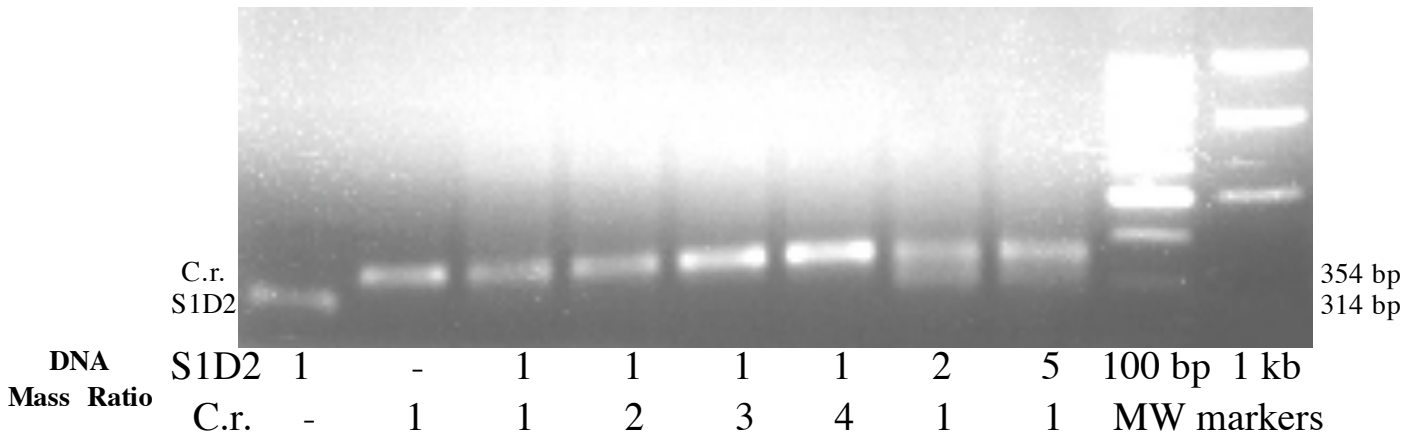
CIA5-F: TGGCTGCGTGCCACGACCGT

CIA5-R2: GCTGAAGGTGAGTGCGGCAGCG

CIA5-R3: CCAGCTGCTGTTGGCGCCAGC

**Recommended For:** Single Progeny Analysis Only

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



|             | <b>CIA5</b> |
|-------------|-------------|
| C.r. allele | 354 bp      |
| S1D2 allele | 314 bp      |

| <b>PCR Reaction Mix</b><br>(30 $\mu$ l reaction) |               |
|--|---------------|
| <b>Components</b>                                | <b>Amount</b> |
| 80% Glycerol                                     | 3.1 $\mu$ l   |
| Formamide  | 0.25 $\mu$ l  |
| GoTaq Buffer                                     | 7.0 $\mu$ l   |
| CIA5-F (10 $\mu$ M)                              | 1.0 $\mu$ l   |
| CIA5-R2 (10 $\mu$ M)                             | 1.0 $\mu$ l   |
| CIA5-R3 (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> |             |                 |
|--------------------|-------------|-----------------|
| <b>Temperature</b> | <b>Time</b> | <b># Cycles</b> |
| 94.0°C             | 2 min       | 1               |
| 94.0°C             | 1 min       | 40              |
| 55.0°C             | 1 min       |                 |
| 72.0°C             | 1 min       |                 |
| 72.0°C             | 10 min      |                 |
| 72.0°C             | 10 min      | 1               |
| 4.0°C              | $\infty$    | 1               |