

CT216 RFLP Probe, 0 cM, Chromosome 6

Christopher Martin and Douglas Maxwell
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Primers

CT216F2, CCATCTTGTTACTCCATTACGTTTC
CT216R2, GCAGAGGAGCGGAGTTATGAG

Partial Sequence of 100a, CT216F2-R2: 861 bp:

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1      CCATCTTGTT ACTCCATTAC GTTCTTCAGG TACCCAATTT CTTCTGCTTC TTCTCAAATA
61     CCTACTGAAT ATTGAAGTGC TTGAAGATAC ACTTCGACTC CTGAATACAG CAGATCCAGA
121    ACCAGAACCG GATGATTCTG AACTACTGGA ATGTATGGAT AGAGATCGAT GTTGAGAAGA
181    TGGTGTTAAT CGCCGAAAAA ATGATGTGAA GTTGTTGAAA ATTCGGCTTA TTCCGTTGCC
241    ATTTGACCT  GTGTTGCTTC TTCTTGATCT CCAAGCTATT CTTCTAGGTA CCCCATTGTT
301    AAATCCACCG TCCATTTCTG TATACACTAC TGGAAGCTCT CTCTCAGCTC CTCTTCTTCC
361    ACCGAAAAAT CTTCTACGG  CGAACCACCC TCCCAGGAACT CTCCATATTG TCAATCCCAT
421    TGCCTCGTCT TCGTTTCTGG GTCTAGAAAAT GTTGTCTGGAG TTTGTAGTTT CAGTTGATTC
481    CGTTGGTAAT TCGTGTCTGGC AAACGGGGCA CGAATTTCTGA AGAGATAGCC ATGGGAGGAT
541    ACAATCGGAA TGGTAGATGT GTTTACAGGG CATTCTCTGA GCTTCAGATC CTAAATCGAA
601    AGCTTCTTTA CAAACAGCGC AATGGGTCTC GGAATTTACG TGATTTGAAG CTATTTGAAT
661    AATCGGCATC GACTCAATCG CTGATTTCTGA CGCCGGTGGA TTTTCCGGGC GACCAAACC
721    GTTCACCTCG ATCTGTGCTA ACTGATCAAG TAACCGATCA AACCCAGATC CCATCAAAAA
781    CTCCGACATC GTCGGCGGCA ACGGCCTGAG ACCTGAACCT TCACCATCAT CATAATAAAG
841    CTCATAACTC CGCTCCTCTG C
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Blast Search

No Match

SGN BAC Clone Search

The sequence matches with 100% identity to the following:

BAC LE_HBa0158P14

Clone name LE_HBa0158P14C06HBa0158P14P158P14

Name Tomato HindIII BAC Library

Organism Solanum lycopersicum (formerly Lycopersicon esculentum)

Comparison With Other Breeding Lines

The CT216F2-R2 primer pair produced an excellent PCR band with Heinz, PR, 113a, 100a, Gh13, and 228-2. These fragments were directly sequenced. Upon alignment 228-2= Gh13= Heinz= PR=100a. 113a did not sequence. Therefore, there are no SNP or INDEL that distinguish the begomovirus resistant genotypes from the susceptible at this locus.