COS Marker T0774, 18.0 cM, Chr. 6
Luis Montes, Brenda Garcia, Christopher Martin, Mindy Salus, and Douglas Maxwell
University of Wisconsin – Madison: July 18, 2006

<table>
<thead>
<tr>
<th>Primer Name</th>
<th>Sequence (5' to 3')</th>
</tr>
</thead>
<tbody>
<tr>
<td>T0774F2</td>
<td>CTGGAAGAAAACCTAGAAATAAAAGG</td>
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<tr>
<td>T0774R2</td>
<td>CAGTACAAAGGATATCCACAATCCTACATG</td>
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100a_T0774F2-R2: 602 bp:

<table>
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<tbody>
<tr>
<td>TTGATTTTTA ATGATTTTGA ATTGAAGGGA GGAATGCTAT ACTATTGATG GAGGGCTGTC</td>
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</tbody>
</table>

Purple Russian_T0774F2-R2: 602 bp:

<table>
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<th>Sequence</th>
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<tbody>
<tr>
<td>TTGATTTTTA ATGATTTTGA ATTGAAGGGA GGAATGCTAT ACTATTGATG GAGGGCTGTC</td>
</tr>
</tbody>
</table>

Blast Search:

DEFINITION  Lycopersicon esculentum cDNA, clone: FC09DF07, HTC in fruit.
ACCESSION  AK224717
AUTHORS    Tsugane,T., Watanabe,M., Yano,K., Sakurai,N., Suzuki,H. and Shibata,D.
TITLE      Expressed sequence tags of full-length cDNA clones prepared from the laboratory-grown miniature tomato (Lycopersicon esculentum) cultivar Micro-Tom

SGN BAC Clone Search
No Match
Comparison With Other Breeding Lines from Guatemala:
All tested resistant breeding lines matched identically (100a=19a=113a=68a). The susceptible breeding lines (PR=Mandarina) matched with each other identically but differed from the resistant by 10 SNP (PR≠100a, 10 SNP). Therefore, the resistant lines likely contain an introgression related to begomovirus resistance in this region.