Table S3  Genotypes of segregants from diploid JN20 (MA273.1 x JN3.2)

<table>
<thead>
<tr>
<th>MA273.1</th>
<th>fwnA*</th>
<th>pyrG</th>
<th>+</th>
<th>nacA</th>
<th>prtT</th>
<th># of segregants with genotype</th>
</tr>
</thead>
<tbody>
<tr>
<td>JN3.2</td>
<td>olvA*</td>
<td>argB</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>0</td>
</tr>
</tbody>
</table>

fwnA  +  +  +  +  +  0
fwnA  pyrG  +  +  +  +  16
fwnA  +  argB  +  +  +  0
fwnA  +  +  nacA  +  +  0
fwnA  pyrG  argB  +  +  +  0
fwnA  pyrG  +  nacA  +  +  22
fwnA  pyrG  +  +  pratT  10
fwnA  +  argB  nacA  +  +  0
fwnA  +  argB  +  pratT  0
fwnA  +  +  nacA  pratT  2**
fwnA  pyrG  argB  nacA  +  0
fwnA  pyrG  +  nacA  pratT  13
fwnA  pyrG  argB  +  pratT  1
fwnA  +  argB  nacA  pratT  0
fwnA  pyrG  argB  nacA  pratT  0
olvA  +  +  +  +  +  0
olvA  pyrG  +  +  +  +  0
olvA  +  argB  +  +  +  21
olvA  +  +  nacA  +  +  0
olvA  +  +  +  pratT  0
olvA  pyrG  argB  +  +  +  0
olvA  pyrG  +  nacA  +  +  0
olvA  pyrG  +  +  pratT  0
olvA  +  argB  nacA  +  +  9
olvA  +  argB  +  pratT  14
olvA  +  +  nacA  pratT  1
olvA  pyrG  argB  nacA  +  +  0
olvA  pyrG  +  nacA  pratT  0
olvA  pyrG  argB  +  pratT  0
olvA  pyrG  argB  nacA  pratT  31
olvA  pyrG  argB  nacA  pratT  0

*Since no black segregants were isolated, segregants were either fwnA or olvA and possible segregants with no color marker or with double colour marker were not included in the Table. **These two segregants could posses both the fwnA and the olvA mutant allele because of the pyrG+ genotype. As the fwnA mutation is epistatic over olvA (see Jørgensen et al., 2011), the olive phenotype is not visible.