**Supplementary Table 1.** Physiological and biochemical test results of *Pectobacterium brasiliense* KNUB-01-21 and the most common soft rot *Pectobacterium* spp.

<table>
<thead>
<tr>
<th></th>
<th>KNUB-01-21</th>
<th>Pb</th>
<th>Pba</th>
<th>Pcc</th>
<th>Pwa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cavity formation on CVP (24 hr, at 28°C)</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Growth in nutrient agar at 37°C</td>
<td>–</td>
<td>–</td>
<td>+</td>
<td>–/+</td>
<td>+</td>
</tr>
<tr>
<td>Growth in 5% NaCl</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>–/+</td>
<td>+</td>
</tr>
<tr>
<td>Sensitivity to erythromycin</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Production of reducing substances from sucrose</td>
<td>+</td>
<td>+</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Production of indole</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Production of phosphatase</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Acid production from lactose</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>–</td>
<td>+</td>
</tr>
<tr>
<td>Acid production from maltose</td>
<td>+</td>
<td>+</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Acid production from α-methyl glucoside</td>
<td>+</td>
<td>+</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Acid production from trehalose</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
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<tr>
<td>Acid production from sorbitol</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Utilization of malonate</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

‘+’, positive reaction; ‘−’, negative reaction; ‘−/+', ambiguous reaction.