Supplementary Data

Table S1. Biochemical tests for *Kodamaea ohmeri* strain 5 and strain 6

<table>
<thead>
<tr>
<th>Biochemical test</th>
<th>Strain 5</th>
<th>Strain 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urease</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Melibiose</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lactose</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maltose</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Sucrose</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Galactose</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Cellobiose</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Inositol</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Xylose</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Dulcitol</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Raffinose</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Trehalose</td>
<td>+</td>
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</tr>
</tbody>
</table>
Table S2. Xylose fermentation efficiency and ethanol yields of *Kodamaea ohmeri* strain 5 and strain 6

<table>
<thead>
<tr>
<th>Strain</th>
<th>Concentration of ethanol (mg/mL)</th>
<th>Xylose consumed (mg/mL)</th>
<th>Theoretical ethanol yield (mg/mL)</th>
<th>Fermentation efficiency (%)</th>
<th>Ethanol yield g/g sugar consumed</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>K. ohmeri</em></td>
<td></td>
<td></td>
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<tr>
<td>Strain 5</td>
<td>0.43</td>
<td>15.73</td>
<td>8.02</td>
<td>5.33</td>
<td>0.027</td>
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<td><em>K. ohmeri</em></td>
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<tr>
<td>Strain 6</td>
<td>0.41</td>
<td>26.23</td>
<td>13.38</td>
<td>3.05</td>
<td>0.02</td>
</tr>
</tbody>
</table>
Fig. S1. Colony morphology and xylose assimilation by *Kodamaea ohmeri* strain 5 and strain 6
Fig. S2. Cell morphology of *Kodamaea ohmeri* strain 5 (A) and strain 6 (B) as observed under phase contrast microscope.
Fig. S3. Effect of Furfural on *Kodamaea ohmeri* strain 5 (A) and strain 6 (B)