### Additional file 3: List of most dormant accessions that lost their dormancy in After-ripened seeds

<table>
<thead>
<tr>
<th>Accession ID</th>
<th>Accession Name</th>
<th>Population</th>
<th>Germination Percentage</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>W286</td>
<td>GARIA</td>
<td>Aus</td>
<td>3.0</td>
<td>92.1</td>
</tr>
<tr>
<td>W181</td>
<td>BG94-1</td>
<td>IndII</td>
<td>4.0</td>
<td>78.0</td>
</tr>
<tr>
<td>W242</td>
<td>AJAYA</td>
<td>IndII</td>
<td>5.7</td>
<td>97.3</td>
</tr>
<tr>
<td>W161</td>
<td>Y134</td>
<td>IndII</td>
<td>7.0</td>
<td>72.9</td>
</tr>
<tr>
<td>W313</td>
<td>OM 2517</td>
<td>IndII</td>
<td>9.4</td>
<td>90.8</td>
</tr>
<tr>
<td>C011</td>
<td>MILYANG 23</td>
<td>IndII</td>
<td>10.2</td>
<td>65.3</td>
</tr>
<tr>
<td>W178</td>
<td>MANAWTHUKHA</td>
<td>IndII</td>
<td>12.7</td>
<td>94.2</td>
</tr>
<tr>
<td>C061</td>
<td>YANGDAO2HAO</td>
<td>IndII</td>
<td>13.8</td>
<td>99.3</td>
</tr>
<tr>
<td>W051</td>
<td>RP2151-173-1-8</td>
<td>IndII</td>
<td>16.1</td>
<td>94.4</td>
</tr>
<tr>
<td>W317</td>
<td>CIHERANG</td>
<td>IndII</td>
<td>18.0</td>
<td>81.2</td>
</tr>
<tr>
<td>W176</td>
<td>MILYANG23</td>
<td>IndII</td>
<td>18.0</td>
<td>68.4</td>
</tr>
<tr>
<td>W291</td>
<td>IR 2071-625-1-252</td>
<td>IndII</td>
<td>18.6</td>
<td>75.1</td>
</tr>
<tr>
<td>W292</td>
<td>KHOIA BORO</td>
<td>IndII</td>
<td>18.8</td>
<td>87.8</td>
</tr>
<tr>
<td>W174</td>
<td>GAYABYEO</td>
<td>IndII</td>
<td>19.8</td>
<td>95.5</td>
</tr>
<tr>
<td>C052</td>
<td>GUIHUAHUANG</td>
<td>Tej</td>
<td>22.5</td>
<td>80.0</td>
</tr>
<tr>
<td>W238</td>
<td>UPRI91-66</td>
<td>IndII</td>
<td>24.8</td>
<td>98.9</td>
</tr>
<tr>
<td>W298</td>
<td>IR36</td>
<td>IndII</td>
<td>28.2</td>
<td>99.2</td>
</tr>
<tr>
<td>W152</td>
<td>CDR22</td>
<td>IndII</td>
<td>29.7</td>
<td>83.6</td>
</tr>
<tr>
<td>W263</td>
<td>SADAJIRA-19-303</td>
<td>IndII</td>
<td>29.8</td>
<td>72.1</td>
</tr>
<tr>
<td>Code</td>
<td>Variety/Genotype</td>
<td>Type</td>
<td>Yield</td>
<td>High-Temperature Resistance</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------</td>
<td>------</td>
<td>-------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>C070</td>
<td>YOUMANGZAOGENG</td>
<td>Tej</td>
<td>32.1</td>
<td>81.5</td>
</tr>
<tr>
<td>W223</td>
<td>AT354</td>
<td>IndII</td>
<td>32.6</td>
<td>97.4</td>
</tr>
<tr>
<td>W289</td>
<td>IR 661-1-140-3-117</td>
<td>IndII</td>
<td>34.1</td>
<td>80.0</td>
</tr>
<tr>
<td>W307</td>
<td>AGNO (PSBRC28))</td>
<td>IndII</td>
<td>35.6</td>
<td>96.0</td>
</tr>
<tr>
<td>C056</td>
<td>JINDAO1HAO</td>
<td>Tej</td>
<td>36.5</td>
<td>77.1</td>
</tr>
<tr>
<td>W059</td>
<td>NIWAHUTAW MOCHI</td>
<td>Tej</td>
<td>37.8</td>
<td>81.3</td>
</tr>
<tr>
<td>C146</td>
<td>NIPPONBARE</td>
<td>Tej</td>
<td>38.8</td>
<td>88.5</td>
</tr>
<tr>
<td>W310</td>
<td>BRRI DHAN 29</td>
<td>IndII</td>
<td>38.9</td>
<td>77.5</td>
</tr>
<tr>
<td>C147</td>
<td>MINGHUI63</td>
<td>IndII</td>
<td>41.4</td>
<td>83.5</td>
</tr>
<tr>
<td>W241</td>
<td>PHALGUNA</td>
<td>IndII</td>
<td>43.7</td>
<td>95.0</td>
</tr>
<tr>
<td>W067</td>
<td>MITAK</td>
<td>TrJ</td>
<td>45.9</td>
<td>94.7</td>
</tr>
<tr>
<td>C049</td>
<td>JINYOU1HAO</td>
<td>IndII</td>
<td>46.0</td>
<td>80.1</td>
</tr>
<tr>
<td>C119</td>
<td>NINGHUI21</td>
<td>TeJ</td>
<td>46.8</td>
<td>84.8</td>
</tr>
<tr>
<td>W153</td>
<td>CHENGHUI448</td>
<td>IndII</td>
<td>48.1</td>
<td>86.7</td>
</tr>
<tr>
<td>W227</td>
<td>OM1706</td>
<td>IndII</td>
<td>49.2</td>
<td>98.4</td>
</tr>
<tr>
<td>W265</td>
<td>LA110</td>
<td>IndII</td>
<td>49.8</td>
<td>86.9</td>
</tr>
<tr>
<td>W295</td>
<td>LEBONNET</td>
<td>IndII</td>
<td>50.0</td>
<td>83.1</td>
</tr>
</tbody>
</table>