Supplemental File 9. Number of reference genome (B73, PH207, and PHJ89) and RTA proteins that aligned to any protein in six species and/or encoded a Pfam domain.

<table>
<thead>
<tr>
<th></th>
<th>B73</th>
<th>PH207</th>
<th>PHJ89</th>
<th>B73 RTAs</th>
<th>PH207 RTAs</th>
<th>PHJ89 RTAs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total number of proteins</strong></td>
<td>39,498</td>
<td>40,557</td>
<td>38,560</td>
<td>18,659</td>
<td>22,978</td>
<td>20,456</td>
</tr>
<tr>
<td><em>Arabidopsis thaliana</em></td>
<td>32,318</td>
<td>32,003</td>
<td>33,273</td>
<td>4,122</td>
<td>5,721</td>
<td>4,831</td>
</tr>
<tr>
<td><em>Brachypodium distachyon</em></td>
<td>35,553</td>
<td>35,242</td>
<td>35,397</td>
<td>4,937</td>
<td>6,849</td>
<td>5,723</td>
</tr>
<tr>
<td><em>Oriza sativa</em></td>
<td>35,649</td>
<td>36,007</td>
<td>35,292</td>
<td>5,182</td>
<td>7,128</td>
<td>6,026</td>
</tr>
<tr>
<td><em>Setaria viridis</em></td>
<td>36,225</td>
<td>35,601</td>
<td>35,811</td>
<td>5,073</td>
<td>7,034</td>
<td>5,827</td>
</tr>
<tr>
<td><em>Sorghum bicolor</em></td>
<td>36,576</td>
<td>35,887</td>
<td>35,905</td>
<td>5,126</td>
<td>7,112</td>
<td>5,939</td>
</tr>
<tr>
<td><em>Vitis vinifera</em></td>
<td>31,993</td>
<td>31,756</td>
<td>33,203</td>
<td>4,200</td>
<td>5,742</td>
<td>4,873</td>
</tr>
<tr>
<td><strong>Pfam domain match</strong></td>
<td>29,261</td>
<td>28,800</td>
<td>30,467</td>
<td>5,099</td>
<td>6,461</td>
<td>5,706</td>
</tr>
<tr>
<td><strong>Number of proteins with no hits</strong></td>
<td>2,253</td>
<td>3,380</td>
<td>2,171</td>
<td>11,473</td>
<td>13,681</td>
<td>12,379</td>
</tr>
<tr>
<td><strong>Number of proteins with match to at least one protein and/or Pfam domain</strong></td>
<td>37,245</td>
<td>37,177</td>
<td>36,389</td>
<td>7,186</td>
<td>9,297</td>
<td>8,077</td>
</tr>
</tbody>
</table>