<table>
<thead>
<tr>
<th>Line / expression</th>
<th>Motifs Identifier</th>
<th>No. Genes with this element</th>
<th>No. of elements</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PXVE:NF-YA10 / induced</strong></td>
<td>Non-enriched</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ABFs binding site</td>
<td>44</td>
<td>54</td>
<td>&lt; 10^-5</td>
</tr>
<tr>
<td></td>
<td>ABRE binding site</td>
<td>57</td>
<td>70</td>
<td>&lt; 10^-5</td>
</tr>
<tr>
<td></td>
<td>ABRE-like binding</td>
<td>228</td>
<td>392</td>
<td>&lt; 10^-10</td>
</tr>
<tr>
<td></td>
<td>ABREATRD22</td>
<td>39</td>
<td>42</td>
<td>&lt; 10^-6</td>
</tr>
<tr>
<td></td>
<td>ACGTABREMOTIFA2OSE</td>
<td>167</td>
<td>257</td>
<td>&lt; 10^-10</td>
</tr>
<tr>
<td></td>
<td>ATHB5ATCORE</td>
<td>37</td>
<td>76</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td></td>
<td>AtMYC2 BS in RD22</td>
<td>254</td>
<td>358</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td></td>
<td>CACGTGMOTIF</td>
<td>163</td>
<td>444</td>
<td>&lt; 10^-10</td>
</tr>
<tr>
<td></td>
<td>CARGCW8GAT</td>
<td>448</td>
<td>1488</td>
<td>&lt; 10^-6</td>
</tr>
<tr>
<td></td>
<td>CCA1 binding site</td>
<td>208</td>
<td>246</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td><strong>PXVE:NF-YA10 / repressed</strong></td>
<td>DRE core motif</td>
<td>165</td>
<td>192</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td></td>
<td>GADOWNAT</td>
<td>105</td>
<td>139</td>
<td>&lt; 10^-10</td>
</tr>
<tr>
<td></td>
<td>GAREAT</td>
<td>390</td>
<td>573</td>
<td>&lt; 10^-4</td>
</tr>
<tr>
<td></td>
<td>GBF1/2/3 BS in ADH</td>
<td>22</td>
<td>44</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td></td>
<td>GBOXLERBCS</td>
<td>38</td>
<td>46</td>
<td>&lt; 10^-5</td>
</tr>
<tr>
<td></td>
<td>MYB1AT</td>
<td>568</td>
<td>1354</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td></td>
<td>MYCATERD1</td>
<td>254</td>
<td>358</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td></td>
<td>TATA-box</td>
<td>631</td>
<td>1989</td>
<td>&lt; 10^-10</td>
</tr>
<tr>
<td></td>
<td>Motif TGA1 binding site</td>
<td>52</td>
<td>53</td>
<td>&lt; 10^-10</td>
</tr>
<tr>
<td></td>
<td>UPRMOTIFIA</td>
<td>52</td>
<td>53</td>
<td>&lt; 10^-10</td>
</tr>
<tr>
<td></td>
<td>W-box promoter motif</td>
<td>482</td>
<td>880</td>
<td>&lt; 10^-7</td>
</tr>
<tr>
<td><strong>PXVE:NF-YA2 / induced</strong></td>
<td>ABRE-like binding site motif</td>
<td>57</td>
<td>92</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td></td>
<td>ACGTABREMOTIFA2OSE</td>
<td>99</td>
<td>154</td>
<td>&lt; 10^-8</td>
</tr>
<tr>
<td></td>
<td>GADOWNAT</td>
<td>75</td>
<td>98</td>
<td>&lt; 10^-5</td>
</tr>
<tr>
<td><strong>PXVE:NF-YA2 / repressed</strong></td>
<td>TATA-box Motif</td>
<td>47</td>
<td>54</td>
<td>&lt; 10^-4</td>
</tr>
<tr>
<td></td>
<td>TGA1 binding site motif</td>
<td>304</td>
<td>967</td>
<td>&lt; 10^-10</td>
</tr>
<tr>
<td></td>
<td>UPRMOTIFIA</td>
<td>25</td>
<td>26</td>
<td>&lt; 10^-5</td>
</tr>
<tr>
<td></td>
<td>W-box promoter motif</td>
<td>233</td>
<td>460</td>
<td>&lt; 10^-4</td>
</tr>
<tr>
<td><strong>PXVE:NF-YA3 / induced</strong></td>
<td>Non-enriched</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGTABREMOTIFA2OSE</td>
<td>69</td>
<td>92</td>
<td>&lt; 10^-4</td>
</tr>
<tr>
<td><strong>PXVE:NF-YA3 / repressed</strong></td>
<td>ATHB2 binding site motif</td>
<td>52</td>
<td>56</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td></td>
<td>TATA-box</td>
<td>43</td>
<td>50</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td></td>
<td>W-box promoter motif</td>
<td>291</td>
<td>926</td>
<td>&lt; 10^-7</td>
</tr>
<tr>
<td><strong>PXVE:NF-YA7 / induced</strong></td>
<td>CACGTGMOTIF</td>
<td>57</td>
<td>138</td>
<td>&lt; 10^-3</td>
</tr>
<tr>
<td>Table S4. Continued</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PXVE:NF-YA7 / repressed</strong></td>
<td><strong>ABRE-like binding</strong></td>
<td>175</td>
<td>260</td>
<td>&lt; 10⁻⁵</td>
</tr>
<tr>
<td></td>
<td><strong>ACGTABREMOTIFA2OSE</strong></td>
<td>115</td>
<td>150</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td></td>
<td><strong>AtMYC2 BS in RD22</strong></td>
<td>259</td>
<td>376</td>
<td>&lt; 10⁻⁷</td>
</tr>
<tr>
<td></td>
<td><strong>CARGCW8GAT</strong></td>
<td>427</td>
<td>1424</td>
<td>&lt; 10⁻⁷</td>
</tr>
<tr>
<td></td>
<td><strong>GAREAT</strong></td>
<td>360</td>
<td>549</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td></td>
<td><strong>MYB1AT</strong></td>
<td>530</td>
<td>1237</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td></td>
<td><strong>MYCATERD1</strong></td>
<td>259</td>
<td>376</td>
<td>&lt; 10⁻⁷</td>
</tr>
<tr>
<td></td>
<td><strong>RY-repeat promoter</strong></td>
<td>34</td>
<td>72</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td></td>
<td><strong>TATA-box Motif</strong></td>
<td>605</td>
<td>1991</td>
<td>&lt; 10⁻¹⁰</td>
</tr>
<tr>
<td></td>
<td><strong>TGA1 binding site</strong></td>
<td>38</td>
<td>39</td>
<td>&lt; 10⁻⁴</td>
</tr>
<tr>
<td></td>
<td><strong>URPMOTIFIAT</strong></td>
<td>38</td>
<td>39</td>
<td>&lt; 10⁻⁴</td>
</tr>
<tr>
<td></td>
<td><strong>W-box promoter motif</strong></td>
<td>474</td>
<td>877</td>
<td>&lt; 10⁻¹⁰</td>
</tr>
<tr>
<td><strong>PXVE:NF-YA2SRDX / induced</strong></td>
<td><strong>EveningElement promoter motif</strong></td>
<td>39</td>
<td>45</td>
<td>&lt; 10⁻⁶</td>
</tr>
<tr>
<td></td>
<td><strong>lbox promoter motif</strong></td>
<td>117</td>
<td>180</td>
<td>&lt; 10⁻⁴</td>
</tr>
<tr>
<td><strong>PXVE:NF-YA2SRDX / repressed</strong></td>
<td><strong>ABFs binding site</strong></td>
<td>43</td>
<td>52</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td></td>
<td><strong>ABRE binding site</strong></td>
<td>58</td>
<td>71</td>
<td>&lt; 10⁻⁴</td>
</tr>
<tr>
<td></td>
<td><strong>ABRE-like binding</strong></td>
<td>251</td>
<td>425</td>
<td>&lt; 10⁻¹⁰</td>
</tr>
<tr>
<td></td>
<td><strong>ABREATRD22</strong></td>
<td>40</td>
<td>43</td>
<td>&lt; 10⁻⁵</td>
</tr>
<tr>
<td></td>
<td><strong>ACGTABREMOTIFA2OSE</strong></td>
<td>183</td>
<td>275</td>
<td>&lt; 10⁻¹⁰</td>
</tr>
<tr>
<td></td>
<td><strong>CAGCTGMOTIF</strong></td>
<td>176</td>
<td>458</td>
<td>&lt; 10⁻¹⁰</td>
</tr>
<tr>
<td></td>
<td><strong>CARGCW8GAT</strong></td>
<td>507</td>
<td>1678</td>
<td>&lt; 10⁻⁵</td>
</tr>
<tr>
<td></td>
<td><strong>DREB1A/CBF3</strong></td>
<td>71</td>
<td>78</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td><strong>PXVE:miR169nm / induced</strong></td>
<td><strong>GADOWNAT</strong></td>
<td>117</td>
<td>155</td>
<td>&lt; 10⁻¹⁰</td>
</tr>
<tr>
<td></td>
<td><strong>GAREAT</strong></td>
<td>453</td>
<td>665</td>
<td>&lt; 10⁻⁵</td>
</tr>
<tr>
<td></td>
<td><strong>GBF1/2/3 BS in ADH</strong></td>
<td>23</td>
<td>46</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td></td>
<td><strong>GBOXLERBCS</strong></td>
<td>35</td>
<td>43</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td></td>
<td><strong>MYB1AT</strong></td>
<td>662</td>
<td>1556</td>
<td>&lt; 10⁻⁶</td>
</tr>
<tr>
<td></td>
<td><strong>TATA-box Motif</strong></td>
<td>726</td>
<td>2250</td>
<td>&lt; 10⁻¹⁰</td>
</tr>
<tr>
<td></td>
<td><strong>TGA1 binding site</strong></td>
<td>51</td>
<td>51</td>
<td>&lt; 10⁻⁷</td>
</tr>
<tr>
<td></td>
<td><strong>URPMOTIFIAT</strong></td>
<td>51</td>
<td>51</td>
<td>&lt; 10⁻⁷</td>
</tr>
<tr>
<td></td>
<td><strong>W-box promoter motif</strong></td>
<td>574</td>
<td>1123</td>
<td>&lt; 10⁻¹⁰</td>
</tr>
<tr>
<td><strong>PXVE:miR169nm / repressed</strong></td>
<td><strong>CARGCW8GAT</strong></td>
<td>170</td>
<td>584</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td></td>
<td><strong>EveningElement promoter motif</strong></td>
<td>42</td>
<td>50</td>
<td>&lt; 10⁻⁷</td>
</tr>
<tr>
<td></td>
<td><strong>GAREAT</strong></td>
<td>156</td>
<td>245</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td></td>
<td><strong>lbox promoter motif</strong></td>
<td>129</td>
<td>189</td>
<td>&lt; 10⁻⁷</td>
</tr>
<tr>
<td></td>
<td><strong>TATA-box Motif</strong></td>
<td>238</td>
<td>772</td>
<td>&lt; 10⁻⁷</td>
</tr>
<tr>
<td></td>
<td><strong>W-box promoter motif</strong></td>
<td>184</td>
<td>366</td>
<td>&lt; 10⁻³</td>
</tr>
<tr>
<td><strong>PXVE:miR169nm / Non-enriched</strong></td>
<td><strong>CARGCW8GAT</strong></td>
<td>170</td>
<td>584</td>
<td>&lt; 10⁻³</td>
</tr>
</tbody>
</table>
| Survey was performed in 1000 bp maximum upstream range cutting off at adjacent genes. Data obtained using the Athena Web tools (http://www.bioinformatics2.wsu.edu/cgi-bin/Athena/cgi/home.pl).