

Table S1. Details of *PpZIP* and *MpbZIP* genes identified from *P. patens* and *M. polymorpha*.

Gene number	NCBI accession Number	Phytozome identifier	Gene number	NCBI accession Number	Phytozome identifier
<i>PpbZIP1</i>	XP_024387430.1	Pp3c1_7300	<i>PpbZIP30</i>	XP_024400833.1	Pp3c17_11650
<i>PpbZIP2</i>	XP_024379754.1	Pp3c1_21760	<i>PpbZIP31</i>	XP_024399812.1	Pp3c17_21430
<i>PpbZIP3</i>	PNR63101.1	Pp3c1_33070	<i>PpbZIP32</i>	XP_024401501.1	Pp3c17_21620
<i>PpbZIP4</i>	XP_024377704.1	Pp3c1_33080	<i>PpbZIP33</i>	XP_024403159.1	Pp3c18_14260
<i>PpbZIP5</i>	XP_024376758.1	Pp3c1_38440	<i>PpbZIP34</i>	XP_024402784.1	Pp3c18_16260
<i>PpbZIP6</i>	XP_024399762.1	Pp3c2_4600	<i>PpbZIP35</i>	XP_024403163.1	Pp3c18_19240
<i>PpbZIP7</i>	XP_024397994.1	Pp3c2_16080	<i>PpbZIP36</i>	XP_024356505.1	Pp3c19_15700
<i>PpbZIP8</i>	XP_024368462.1	Pp3c2_26970	<i>PpbZIP37</i>	PNR34360.1	Pp3c19_15730
<i>PpbZIP9</i>	XP_024371307.1	Pp3c3_16820	<i>PpbZIP38</i>	PNR32900.1	Pp3c20_7290
<i>PpbZIP10</i>	XP_024376312.1	Pp3c5_20330	<i>PpbZIP39</i>	XP_024359043.1	Pp3c21_5710
<i>PpbZIP11</i>	XP_024378642.1	Pp3c6_7520	<i>PpbZIP40</i>	XP_024359043.1	Pp3c21_5770
<i>PpbZIP12</i>	XP_024381386.1	Pp3c7_11360	<i>PpbZIP41</i>	XP_024360862.1	Pp3c22_13770
<i>CrebZIP13</i>	XP_024379985.1	Pp3c7_23340	<i>PpbZIP42</i>	XP_024360145.1	Pp3c22_13810
<i>PpbZIP14</i>	XP_024383474.1	Pp3c8_11470	<i>PpbZIP43</i>	XP_024361112.1	Pp3c22_13840
<i>PpbZIP15</i>	XP_024384443.1	Pp3c9_2770	<i>MpbZIP1</i>	PTQ49943.1	Mapoly0001s0021
<i>PpbZIP16</i>	XP_024385346.1	Pp3c9_6339	<i>MpbZIP2</i>	PTQ46245.1	Mapoly0012s0172
<i>PpbZIP17</i>	XP_024385345.1	Pp3c9_6350	<i>MpbZIP3</i>	PTQ45180.1	Mapoly0015s0005
<i>PpbZIP18</i>	XP_024388291.1	Pp3c11_3960	<i>MpbZIP4</i>	PTQ45041.1	Mapoly0016s0098
<i>PpbZIP19</i>	PNR45393.1	Pp3c11_17710	<i>MpbZIP5</i>	PTQ44602.1	Mapoly0019s0040
<i>PpbZIP20</i>	XP_024392804.1	Pp3c13_15010	<i>MpbZIP6</i>	PTQ43992.1	Mapoly0022s0095
<i>PpbZIP21</i>	XP_024392785.1	Pp3c13_15030	<i>MpbZIP7</i>	PTQ43153.1	Mapoly0026s0039
<i>PpbZIP22</i>	XP_024394712.1	Pp3c14_4880	<i>MpbZIP8</i>	OAE35970.1	Mapoly0034s0126
<i>PpbZIP23</i>	XP_024394864.1	Pp3c14_6250	<i>MpbZIP9</i>	OAE30479.1	Mapoly0046s0102
<i>PpbZIP24</i>	XP_024394677.1	Pp3c14_19470	<i>MpbZIP10</i>	OAE26867.1	Mapoly0069s0009
<i>PpbZIP25</i>	XP_024396092.1	Pp3c15_5820	<i>MpbZIP11</i>	PTQ35305.1	Mapoly0072s0050
<i>PpbZIP26</i>	XP_024396641.1	Pp3c15_7040	<i>MpbZIP12</i>	PTQ30588.1	Mapoly0122s0020
<i>PpbZIP27</i>	PNR39364.1	Pp3c15_11920	<i>MpbZIP13</i>	PTQ30075.1	Mapoly0130s0030
<i>PpbZIP28</i>	XP_024397438.1	Pp3c15_18260	<i>MpbZIP14</i>	PTQ26645.1	Mapoly0737s0001
<i>PpbZIP29</i>	XP_024397437.1	Pp3c15_18270			