

**Supplemental Table S1. The primer sets used in this study**

Name	Sequence(5'-3')
<b>Yeast one-hybrid screening</b>	
pMYB1-1F	AAATGATGAATTGAAA <u>AGCTTT</u> ATTGCTCTCAATGTGCAAGAATCA
pMYB1-1R	GTCGACAGATCCCCG <u>GGTACCT</u> TGATACGCATACCTTATGCCTAA
pMYB1-2F	AAATGATGAATTGAAA <u>AGCTT</u> GTGATTGTTAGTGTGTTGTTGATAGGT
pMYB1-2R	GTCGACAGATCCCCG <u>GGTACCT</u> TGAAAAATCCAGTCAACGAAAAA
pMYB1-3F	AAATGATGAATTGAAA <u>AGCTT</u> GCGCATCCAAACACTGGAAA
pMYB1-3R	GTCGACAGATCCCCG <u>GGTACCA</u> CATGATTGTCATTTTATACAAATCGTATT
pMYB1-4F	AAATGATGAATTGAAA <u>AGCTTT</u> TATTACATCAAGCTAAATAAATACGATTT
	G
pMYB1-4R	GTCGACAGATCCCCG <u>GGTACCT</u> ATATATATTGAAGGGTGTCGGAAATTC
pAbAi-F	CAAGTTTGTGTTGCTTTTCGTGC
pAbAi-R	GCTGGAATGATGAATAAAGTGCC
<b>Yeast one-hybrid assay</b>	
ERF1-ADF	GCCATGGAGGCCAGTGA <u>ATTTC</u> ATGAATTCAGGATTCTCCTCCGA
ERF1-ADR	CAGCTCGAGCTCGATGGATCCTTAAACCAAGGGATTAGGAGTAATTG
PGP19-ADF	GCCATGGAGGCCAGTGA <u>ATTTC</u> ATGGCTTCTCTATGGCCGAAC
PGP19-ADR	CAGCTCGAGCTCGATGGATCCTAAGAATTGAATTTACAACCTTGCTGTT
PDC-ADF	GCCATGGAGGCCAGTGA <u>ATTTC</u> ATGGACACGAAGATTGGATCCA
PDC-ADR	CAGCTCGAGCTCGATGGATCCTTACTGTGGGTTTGGTGGCC
pGADT7-F	CGATGATGAAGATACCCCAACAAACC
pGADT7-R	ACTTGCGGGGTTTTTCAGTATCTACG
<b>Yeast two-hybrid (Y2H) assay</b>	
ERF1-BDF	ATGGCCATGGAGGCCGA <u>ATTTC</u> ATGAATTCAGGATTCTCCTCCGA
ERF1-BDR	CCGCTGCAGGTCGACGGATCCTTAAACCAAGGGATTAGGAGTAATTG
PGP19-BDF	ATGGCCATGGAGGCCGA <u>ATTTC</u> ATGGCTTCTCTATGGCCGAAC
PGP19-BDR	CCGCTGCAGGTCGACGGATCCTAAGAATTGAATTTACAACCTTGCTGTT
PDC-BDF	ATGGCCATGGAGGCCGA <u>ATTTC</u> ATGGACACGAAGATTGGATCCA
PDC-BDR	CCGCTGCAGGTCGACGGATCCTTACTGTGGGTTTGGTGGCC
pGBKT7-F	TAATACGACTCACTATAGGGCGA
pGBKT7-R	GACTCTTAGGTTTTAAAACGAAAA
<b>Dual-luciferase assay</b>	
pM1-4-0800F	CTATAGGGCGAATTGG <u>GTACCT</u> TATTACATCAAGCTAAATAAATACGATTT
	G
pM1-4-0800R	TGTTTTTGGCGTCTTCCATGGTATATATATTGAAGGGTGTCGGAAATTC
p0800-LUC-F	CAAGGCGATTAAAGTTGGGTAAC

p0800-LUC-R	CTCTCCAGCGGTTCCATCTTCC
ERF1-62-SKF	AGGACAGCCCAAGCTGAGCTCATGAATTCAGGATTCTCCTCCGA
ERF1-62-SKR	GGTACCGGGCCCCCCCCTCGAGTTAAACCAAGGGATTAGGAGTAATTG
PGP19-62-SKF	AGGACAGCCCAAGCTGAGCTCATGGCTTCTCTATGGCCGAAC
PGP19-62-SKR	GGTACCGGGCCCCCCCCTCGAGCTAAGAATTGAATTTACAACCTTGCTGTT
PDC-62-SKF	AGGACAGCCCAAGCTGAGCTCATGGACACGAAGATTGGATCCA
PDC-0800R	GGTACCGGGCCCCCCCCTCGAGTTACTGTGGGTTTGGTGGCC
p62-SK-F	CATATAAGGAAGTCATTTTCATT
p62-SK-R	TCCCTTATCGGGAAACTACTCA

### Subcellular localization analysis

ERF1-1300F	TTTTCTGATTAACAGGGATCCATGAATTCAGGATTCTCCTCCGA
ERF1-1300R	GCTCTCGAGACTAGTGGTACCAACCAAGGGATTAGGAGTAATTGATG
PGP19-1300F	TTTTCTGATTAACAGGGATCCATGGCTTCTCTATGGCCGAAC
PGP19-1300R	GCTCTCGAGACTAGTGGTACCAGAATTGAATTTACAACCTTGCTGTTCT
PDC-1300F	TTTTCTGATTAACAGGGATCCATGGACACGAAGATTGGATCCA
PDC-1300R	GCTCTCGAGACTAGTGGTACCCTGTGGGTTTGGTGGCCTG
pCambia1300-F	TACTCTTCGATTTGTGATTTC
pCambia1300-R	CATCGCAAGACCGGCAACAGG

### Real-time quantitative PCR

Q-G14-F	GTGCGGAAACTGCGACTGC
Q-G14-R	CGTCCATCTTGCTTCCCTTCCT
Q-MYB1-F	ATGGTTATTTTCATCTGTATGGTCGG
Q-MYB1-R	CTCAAAAGTTGGTCTTCTTCTTCG
Q-ERF1-F	AACGGGATAAGGGTTTGGCTGGG
Q-ERF1-R	CGGACAGTCTCCACGGGGAAGTT
Q-CHS-F	AAAACCTGAAAACTCCGAGCCACG
Q-CHS-R	CAAACCCAAACAGCACACCCAC
Q-CHI-F	GAAGGTGTCGGAAACTGCGTTG
Q-CHI-R	GGGGTGATTGAGTGAAGAAAATAGAGG
Q-F3H-F	TTCATCGTTTCCAGCCATCTCCA
Q-F3H-R	TTTTCCGTTACTGCCCTCCACCC
Q-F3'H-F	CTGTGGAGTGGGCATTTCGCAGAA
Q-F3'H-R	AGAGAGTGGGGTGGATGGGTGTAGC
Q-ANS-F	AATAATGCTAGTGGGCAGCTTGAGTG
Q-ANS-R	AAGGAGTTTTAGGCCAAATGGAGAGA
Q-DFR-F	CTGCTGGCTTTATCGGCTCCTGGT
Q-DFR-R	TGTCAAATTCGTGTCCGCTTTTCG

Q-UF3GT-F

GCGTTCCTTGGATTTCTTTTGG

Q-UF3GT-R

TGACATTCCTGGGATTACTTTCAGCT

**Supplemental Table S2. Information of genes interacted with *pIbMYB1-4* by yeast one hybrid screening**

NO	Gene	Accession	Length(	NO	Gene	Accession	Length(bp)
			bp)				
1	<i>PLP-3A</i>	AT3G50960.1	1732	66	<i>TRM140A</i>	AT2G26200.1	3982
2	<i>IPCS1-3</i>	AT3G54020.1	2639	67	<i>UBQ3</i>	AT5G03240.1	1854
3	<i>EMB60</i>	AT1G01040	6276	68	<i>ER1</i>	AT5G09410.3	6594
4	<i>RHM1-2</i>	AT1G78570.1	2899	69	<i>NRP1</i>	AT1G74560.3	2466
5	<i>AIR12</i>	AT3G07390.1	1196	70	<i>GSR5</i>	AT5G37600.1	2600
6	<i>VPS2</i>	AT2G06530.1	2009	71	<i>ATG3</i>	AT5G61500.1	3092
7	<i>SORF1</i>	AT1G10682.1	702	72	<i>LYR</i>	AT5G51960.1	1092
8	<i>GER5</i>	AT5G13200.1	1506	<b>73</b>	<b><i>ERF1</i></b>	<b>AT3G23240.1</b>	<b>988</b>
9	<i>HIS4</i>	AT2G28740	312	74	<i>CBR1</i>	ATCBR	2186
10	<i>HAT22</i>	AT4G37790.1	1635	75	<i>MKK4</i>	AT1G51660.1	2016
11	<i>VHA-F</i>	AT4G02620.1	2108	76	<i>RTNLB5</i>	AT4G23630.1	3039
12	<i>RAN</i>	AT5G20010.1	2237	77	<i>TFIIS</i>	AT2G32820.1	1163
13	<i>RPS5B</i>	AT2G37270.1	1795	78	<i>RABA4A</i>	AT5G65270.1	1617
14	<i>CNX1</i>	AT5G61790.1	2838	79	<i>CID6</i>	AT5G25540.1	1562
15	<i>PFD5</i>	AT5G23290.1	1563	80	<i>U2AF65B</i>	AT1G60900.1	4160
16	<i>EDA16</i>	AT1G61140.1	6270	81	<i>SNX2A</i>	AT5G58440.1	3164
17	<i>TRM9</i>	AT4G00770.1	2321	82	<i>TPS7</i>	AT1G06410.1	4150
18	<i>XTH</i>	AT1G10550.1	933	83	<i>RP</i>	AT5G16130.1	1779
19	<i>PS2</i>	AT1G73010.1	1821	84	<i>CAR6</i>	AT1G70800.1	1434
20	<i>NDK1</i>	AT4G09320.1	883	85	<i>KHZ2</i>	AT5G06770.1	2299
21	<i>OXS3</i>	AT5G56550.1	1119	86	<i>Hsp 70</i>	AT3G12580.1	2770
22	<i>PML3</i>	AT5G36290.1	2521	87	<i>IMI</i>	AT5G62350.1	1234
23	<i>TRAB</i>	AT5G45130.1	2280	88	<i>GSM1</i>	AT5G23010.1	3805
24	<i>AS</i>	AT2G21390.1	4967	89	<i>eIF3</i>	AT5G37475.1	2719
25	<b><i>PDC1</i></b>	<b>AT4G33070.1</b>	<b>2547</b>	<b>90</b>	<i>GF14</i>	AT1G78300.1	2250
26	<i>ARM</i>	AT3G20170.1	1824	91	<i>PSII</i>	AT1G34320.1	4319
27	<i>Zinc</i>	AT5G25830.1	1706	92	<i>L RTPK</i>	AT4G29990.1	4347

28	<i>TRAF</i>	AT3G61790.1	2137	93	<i>AS2</i>	AT1G65620.1	2834
29	<i>TSS</i>	AT1G68490.1	2802	94	<i>PS2</i>	AT1G73010.1	1821
30	<i>MUM4</i>	AT1G53500.1	2814	95	<i>RRN18</i>	ATMG01390.1	1935
31	<i>APG1</i>	AT3G63410.1	1531	96	<i>LOG3</i>	AT2G37210.2	2948
32	<i>MBOAT</i>	AT1G57600.1	4711	97	<i>RD2</i>	AT2G21620.2	1684
33	<i>WIP</i>	AT1G08290.1	3382	98	<i>CDPK9</i>	AT5G23580.1	4420
34	<i>SNF7</i>	AT2G06530.1	2009	99	<i>PML3</i>	AT5G36290.1	2521
35	<i>OGH17</i>	AT5G55180.2	1933	100	<i>HRQ1</i>	AT5G08110.1	5412
36	<i>DAT</i>	AT2G03800.1	2438	101	<i>HDH1</i>	AT4G20930.1	2856
37	<i>SAP13</i>	AT3G57480.1	2102	102	<i>50A</i>	AT1G36980.1	2318
38	<i>MEB2</i>	AT5G24290.1	2617	103	<i>ATP6</i>	ATMG00410.1	1321
39	<i>GRP4</i>	AT3G23830.1	1869	104	<i>LEA</i>	AT5G53730.1	1382
40	<i>RAB8Rab</i>	AT3G53610.1	2561	105	<i>PG</i>	AT2G05171.1	958
41	<i>NCL-like</i>	AT1G53210.1	3407	106	<i>ODB1</i>	AT1G71310.2	1599
42	<i>V-ATP</i>	AT4G02620.1	2108	107	<i>ARA7</i>	AT4G19640.1	2551
43	<i>HERK</i>	AT3G46290.1	3386	108	<i>LNK1</i>	AT5G64170.2	4358
44	<i>WRKY7</i>	AT4G24240.1	2236	109	<i>CD</i>	AT2G35795.1	1401
45	<i>RSZ22</i>	AT4G31580.1	2492	110	<i>MPK8</i>	AT1G18150.2	3447
46	<i>RXF</i>	AT1G58430.1	1610	111	<i>MUG3</i>	AT1G06740.1	2638
47	<i>SAP</i>	AT5G66840.1	2683	112	<i>AHS</i>	AT3G23570.1	2048
48	<i>APA1</i>	AT1G11910.1	4318	113	<i>OPS</i>	AT3G09070.1	2735
49	<i>EMB2296</i>	AT2G18020.1	1410	114	<i>ESD4</i>	AT4G15880.1	3610
50	<i>IF2/IF5</i>	AT1G77840.1	2365	115	<i><math>\alpha</math>1-COP</i>	AT2G21390.1	4967
51	<i>RAN3</i>	AT5G55190.1	3333	116	<i>MPK18</i>	AT1G53510.1	4060
52	<i>NKS1</i>	AT4G30996.1	1724	117	<i>EF1B</i>	AT1G57720.1	3060
53	<i>SNF2</i>	AT1G77840.1	2365	118	<i>HAT14</i>	AT5G06710.1	2608
54	<i>RPS5B</i>	AT2G37270.1	1795	119	<i>BICE1</i>	AT4G05440.1	1423
55	<i>A20/ANI</i>	AT1G51200.1	2354	120	<i>TRNS.1</i>	ATMG00230.1	87
56	<i>IF6</i>	AT3G55620.1	2499	121	<i>EIF6A</i>	AT3G55620.1	2499
57	<i>PH1</i>	AT5G05710.1	770	122	<i>ARA6</i>	AT3G54840.1	2695
58	<i>ABCI12</i>	AT3G21580.1	2078	123	<i>HMGB3</i>	AT1G20696.2	2047
59	<i>CNX1</i>	AT5G61790.1	2838	124	<i>SNX2B</i>	AT5G07120.1	2663
60	<i>GLR5</i>	AT1G05200.1	3967	125	<i>EP70</i>	AT5G37310.1	3802
61	<i>PFD5</i>	AT5G23290.1	1563	126	<b><i>PGP19</i></b>	<b>AT3G28860.1</b>	<b>7574</b>
62	<i>TIF3K1</i>	AT4G33250.1	2158	127	<i>LHP1</i>	AT5G17690.2	5669
63	<i>PRR8</i>	AT5G17640.1	2382	128	<i>PT2</i>	AT5G28143.1	894
64	<i>ASG1</i>	AT5G17640.1	2382	129	<i>ASP1</i>	AT2G30970.1	3222
65	<i>XTH27</i>	AT2G01850.1	2308	130	<i>BPM5</i>	AT5G21010.1	2751

***plbMYB1***

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### *IbERF1*

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### ***IbPGP19***

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### *IbPDC*

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TCCTGGTTCAATTGCCAGAAGCTGAAACTACCAGAAGGGTGCGGGTATGAGTTCCAAATGC  
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CGATGCTGCGATGCGGGCAGAGGAGCATAATCTTCCTCATCAACAATGGTGGCTACACAAT  
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