

**Table S1.** The primers used in this study.

Primer name	Primer sequence
IbMYB48 GW-1	CTATTGCCCCATTTGGAGTGGAGTT
IbMYB48 GW-2	TTCAACCCTACCAAAAGCATGTGAA
IbMYB48 G-F	ATGAAGATGATGATGATGAGGAGA
IbMYB48 G-R	ATTATATTGTGCATAATCTTGTTGT
IbMYB48 ORF-F	ATGAAGATGATGATGATGAGGAGA
IbMYB48 ORF-R	ATTATATTGTGCATAATCTTGTTGT
IbMYB48 Pro-F	TGCCTTAGAGACACCATGGACT
IbMYB48 Pro-R	CATCTCTTCCTGTGCCATTTTC
IbActin-F	AGCAGCATGAAGATTAAGTTGTAGCAC
IbActin-R	TGGAAAATTAGAAGCACTTCCTGTGAAC
IbMYB48-qPCR-F	ACCAGGACGAACCGACAAC
IbMYB48-qPCR-R	AGGAAGAGGAATTATTGGAGAGTG
83-IbMYB48-F	CCTTAATTAAATGAAGATGATGATGATGAGGAGA
83-IbMYB48-R	AGGCGCGCCAATTATATTGTGCATAATCTTGTTG
162-IbMYB48-F	CCTTAATTAATGCCTTAGAGACACCATGGACT
162-IbMYB48-R	AGGCGCGCCCATCTCTTCCTGTGCCATTTTC
BD1-109-F	GGAATTCCATATGATGAAGATGATGATGATGAGGAGAG
BD1-109-R	ACGCGTCGACTCACTTTTTCTCATGTGGGT
BD110-266-F	GGAATTCCATATG GCTAACGAAGACAGAGCCAAC
BD110-266-R	ACGCGTCGACTCAATTATATTGTGCATAATCTTGG
BD1-266-F	GGAATTCCATATGATGAAGATGATGATGATGAGGAGA
BD1-266-R	ACGCGTCGACTCAATTATATTGTGCATAATCTTGG
IbMYB48-OE-F	GGGGTACCATGAAGATGATGATGATGAGGAGA
IbMYB48-OE-R	ACGCGTCGACATTATATTGTGCATAATCTTGTTGT
Actin-F	GCACCCTGTTCTTCTTACCGA
Actin-R	AGTAAGGTCACGTCCAGCAAGG
ZEP-F	CGGAGCTTTCTTCTTGATGG
ZEP-R	TCGATTTCCGAGTTTTCTG
ABA-F	TACTTGGGGTAAAGGGCGTG
ABA-R	CCAAGGACCCAGTCAAGCAT
AAO-F	CAACAGCCATGTTGATACCG
AAO-R	TCTTTGACCTGCACATCGAG
LOX2-F	CAAACCTCAGAAGACGATGTAAGG
LOX2-R	GACCTCTCGACCAAGTTATGCC
MYC2-F	CGGGTCTTAATTGGAATCTTGAC
MYC2-R	TTCGTTATTGTGCTTGAGCTAC
AOC1-F	ATCTATCTCCATGACAACCTCTCAACAA
AOC1-R	AGGAACCTGGACCGTTAGATGA
OPR3-F	GGCACAAGGGAACTCTAACGAG
OPR3-R	CTTGTTTCATCTGAATAGATTCCAGG
P5CS-F	ATGATCTTATTTATGTTCTGC
P5CS-R	CACTATCTTCGTCACTAT

P5CR-F	AGTTTAGCTTCACAGACCGTTC
P5CR-R	GCTCTGTGAGAGCTCGCGGCTTC
SOD-F	ATGAGAAGTTCTATGAAGAG
SOD-R	GTCTTTATGTAATCTGGT
CAT-F	GCAACTACCCCGAGTGGAAA
CAT-R	TGTTTCAGAACCAAGCGACCA
DHAR-F	ATGGTCCTTTTATCGCCGGG
DHAR-R	GCCCATCCAGAGATCACACA

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**Figure S1.** The pCambia1300-IbMYB48-GFP vector used in this study.