

**Table S1** Primers used to generate the vectors

Primer name	Primer sequence (5'-3')
pGADT7-PfPUBb-F	GTACCAGATTACGCTCATATGATGTATCTGAGTACAACAAGGCAACC
pGADT7-PfPUBb-R	ACGATTCATCTGCAGCTCGAGCTAGTTTGGAAAGATACCGGAGAAG
pGADT7-PfPUBa-F	GTACCAGATTACGCTCATATGATGGCTGGAAAGCTGGGATG
pGADT7-PfPUBa-R	ACGATTCATCTGCAGCTCGAGTCCCATGTTTGGAAAGATACCAG
pGADT7-PfMLP25-F	GTACCAGATTACGCTCATATGATGTCTCAGACAGCTAAGA
pGADT7-PfMLP25-R	ACGATTCATCTGCAGCTCGAGATGGGTAAGAAGGTAAAGATCC
pGADT7-PfRODa-F	GTACCAGATTACGCTCATATGATGAAGAAATCCCTTCTCTTAC
pGADT7-PfRODa-R	ACGATTCATCTGCAGCTCGAGTTTTTCTCGCTTTTCTTCCCGG
pGADT7-PfMYB39-F	GTACCAGATTACGCTCATATGATGGGCAGGCCGCCCTTGC
pGADT7-PfMYB39-R	ACGATTCATCTGCAGCTCGAGAAATAATCCGGATTCTCATC
pGADT7-PfMYB41-F	GTACCAGATTACGCTCATATGATGGATAAAAAACCATGCAAATCTC
pGADT7-PfMYB41-R	ACGATTCATCTGCAGCTCGAGTTCTCCATTAAGTAACTGTAGGGACCA
pGADT7-PfMYB57-F	GTACCAGATTACGCTCATATGATGGGAAGACCACCTTGCTGT
pGADT7-PfMYB57-R	ACGATTCATCTGCAGCTCGAGGAACAAATCAGCAGTTTACC
pGADT7-PfMYB74-F	GTACCAGATTACGCTCATATGATGGAACAACATGCTAAAAGTT
pGADT7-PfMYB74-R	ACGATTCATCTGCAGCTCGAGAACATTGCTGTTGAACTGCTG
pGADT7-PfMYB100-F	GTACCAGATTACGCTCATATGATGGGCAGGCCACCTTGC
pGADT7-PfMYB100-R	ACGATTCATCTGCAGCTCGAGAAATAAATTTGGATTTTCATC
pGADT7-PfMYB104-F	GTACCAGATTACGCTCATATGATGGGAAGGCCACCTTGCTGT
pGADT7-PfMYB104-R	ACGATTCATCTGCAGCTCGAGGAACAAATCAGCAGTTTCCCC
pGADT7-PfMYB128-F	GTACCAGATTACGCTCATATGATGGATCAAGATGCTAAAAGTT
pGADT7-PfMYB128-R	ACGATTCATCTGCAGCTCGAGAGCATTGCTGTTGAATTGCTG
pGADT7-PfMLP25(1-45)-F	GTACCAGATTACGCTCATATGATGTCTCAGACAGCTAAGA
pGADT7-PfMLP25(1-45)-R	ACGATTCATCTGCAGCTCGAGAAGTAATTTAACATTTTTG
pGADT7-PfMLP25(46-120)-F	GTACCAGATTACGCTCATATGATGGAAGGAGAGGAAGGT
pGADT7-PfMLP25(46-120)-R	ACGATTCATCTGCAGCTCGAGATCATTGCTTTCTCAAACCTC
pGADT7-PfMLP25(121-146)-F	GTACCAGATTACGCTCATATGATGTGTGTGCCAAACCCAGAC
pGADT7-PfMLP25(121-146)-R	ACGATTCATCTGCAGCTCGAGATGGGTAAGAAGGTAAAGATC
pGADT7-PfMLP25(1-120)-F	GTACCAGATTACGCTCATATGATGTCTCAGACAGCTAAGA
pGADT7-PfMLP25(1-120)-R	ACGATTCATCTGCAGCTCGAGATCATTGCTTTCTCAAACCTC
pSAK277-PfMYB39-FLAG-F	TCCAAAGAATTCCCCGGTACCATGGGCAGGCCGCCCTTGC
pSAK277-PfMYB39-FLAG-R	ATGATCTTTGTAATCCTCGAGAAATAATCCGGATTCTCATC
pSAK277-PfMYB41-FLAG-F	TCCAAAGAATTCCCCGGTACCATGGATAAAAAACCATGCAAATCTC
pSAK277-PfMYB41-FLAG-R	ATGATCTTTGTAATCCTCGAGTCTCCATTAAGTAACTGTAGGGACCA
pSAK277-PfMYB57-FLAG-F	TCCAAAGAATTCCCCGGTACCATGGGAAGACCACCTTGCTGT
pSAK277-PfMYB57-FLAG-R	ATGATCTTTGTAATCCTCGAGGAACAAATCAGCAGTTTACC
pSAK277-PfMYB74-FLAG-F	TCCAAAGAATTCCCCGGTACCATGGAACAACATGCTAAAAGTT
pSAK277-PfMYB74-FLAG-R	ATGATCTTTGTAATCCTCGAGAACATTGCTGTTGAACTGCTG
pSAK277-PfMYB100-FLAG-F	TCCAAAGAATTCCCCGGTACCATGGGCAGGCCACCTTGC
pSAK277-PfMYB100-FLAG-R	ATGATCTTTGTAATCCTCGAGAAATAAATTTGGATTTTCATC
pSAK277-PfMYB104-FLAG-F	TCCAAAGAATTCCCCGGTACCATGGGAAGGCCACCTTGCTGT
pSAK277-PfMYB104-FLAG-R	ATGATCTTTGTAATCCTCGAGGAACAAATCAGCAGTTTCCCC
pSAK277-PfMYB128-FLAG-F	TCCAAAGAATTCCCCGGTACCATGGATCAAGATGCTAAAAGTT

pSAK277-PfMYB128-FLAG-R	ATGATCTTTGTAATCCTCGAGAGCATTGCTGTTGAATTGCTG
pSAK277-PfMPL25-GFP-F	GTGGATCAAAGAATTCATGTCTCAGACAGCTAAGATTGAGGC
pSAK277-PfMPL25-GFP-R	CTCCTTTACCCATGAATTCATGGGTAAGAAGGTAAAGATCCAG
pGBKT7-PfMPL25-F	GAGGAGGACCTGCATATGATGTCTCAGACAGCTAAGA
pGBKT7-PfMPL25-R	ACGGATCCCCGGGAATTCATGGGTAAGAAGGTAAAGATCC
pGBKT7-PfRODa-F	TCAGAGGAGGACCTGCATATGATGAAGAAATCCCTTCTCTTAC
pGBKT7-PfRODa-R	TCGACGGATCCCCGGGAATCTTTTCTCGCTTTTCTTCCCCG
pGBKT7-PfCDPKa-F	TCAGAGGAGGACCTGCATATGATGGGACTTTGTCATGGAAAACCC
pGBKT7-PfCDPKa-R	TCGACGGATCCCCGGGAATCTGCCTTCTGAAATGTGCGTGAGGA
pGBKT7-PfMYB39-F	TCAGAGGAGGACCTGCATATGATGGGCAGGCCGCTTGC
pGBKT7-PfMYB39-R	TCGACGGATCCCCGGGAATCAAATAATCCGGATTCTCATC
pGBKT7-PfMYB41-F	TCAGAGGAGGACCTGCATATGATGGATAAAAAACCATGCAAATCTC
pGBKT7-PfMYB41-R	TCGACGGATCCCCGGGAATCTTCTCCATTAAGTAACTGTAGGGACCA
pGBKT7-PfMYB100-F	TCAGAGGAGGACCTGCATATGATGGGCAGGCCACCTTGC
pGBKT7-PfMYB100-R	TCGACGGATCCCCGGGAATCAAATAAAATTTGGATTTTTCATC
PHIs-PfMPL25Pro-F	CGACTCACTATAGGGCGAATTCATGTATTTGTAATTTTATTTCAA
PHIs-PfMPL25Pro-R	ATTCGCGAACGCGTGAGCTCGTGCTAAAGACCAGAAATATAAGT
PfMPL25-ECN-F	AGTGGTCTCTGTCCAGTCCTATGTCTCAGACAGCTAAGA
PfMPL25-ECN-R	GGTCTCAGCAGACCACAAGTATGGGTAAGAAGGTAAAGATCC
PfMYB39-ECN-F	AGTGGTCTCTGTCCAGTCCTATGGGCAGGCCGCTTGC
PfMYB39-ECN-R	GGTCTCAGCAGACCACAAGTAAATAATCCGGATTCTCATC
PfMYB100-ECN-F	AGTGGTCTCTGTCCAGTCCTATGGGCAGGCCACCTTGC
PfMYB100-ECN-R	GGTCTCAGCAGACCACAAGTAAATAAAATTTGGATTTTTCATC
PfMYB41-ENN-F	AGTGGTCTCTGTCCAGTCCTATGGATAAAAAACCATGCAAATCTC
PfMYB41-ENN-R	GGTCTCAGCAGACCACAAGTTTCTCCATTAAGTAACTGTAGGGACCA
PfRODa-ENN-F	AGTGGTCTCTGTCCAGTCCTATGAAGAAATCCCTTCTCTTAC
PfRODa-ENN-R	GGTCTCAGCAGACCACAAGTTTCTCGCTTTTCTTCCCCG
PfCDPKa-ENN-F	AGTGGTCTCTGTCCAGTCCTATGGGACTTTGTCATGGAAAACCC
PfCDPKa-ENN-R	GGTCTCAGCAGACCACAAGTTGCCTTCTGAAATGTGCGTGAGGA
PfRODa-ECN-F	AGTGGTCTCTGTCCAGTCCTATGAAGAAATCCCTTCTCTTAC
PfRODa-ECN-R	GGTCTCAGCAGACCACAAGTTTCTCGCTTTTCTTCCCCG
PfPUBa-ENN-F	AGTGGTCTCTGTCCAGTCCTATGGCTGGAAGCTGGGATG
PfPUBa-ENN-R	GGTCTCAGCAGACCACAAGTCCCATGTTTGGAAAGATACCAG
RT-PtActin-F	AACATGGGATTGTTAGCAACTGG
RT-PtActin-R	TCCATCACCAGAATCCAGCACA
RT-PfMYB39-F	CAGGGCTGAGGAGATG
RT-PfMYB39-R	AATGGGTATTCCAGTAGTTT
RT-PfMYB41-F	GCACGAGCCAAATGTC
RT-PfMYB41-R	TTAAGTAACTGTAGGGACCAA
RT-PfMYB57-F	TCGGATGTCTCCCAATC
RT-PfMYB57-R	TTTACCCAAGGCAAT
RT-PfMYB74-F	CACCGCCACTACTTACC
RT-PfMYB74-R	CACCGCCACTACTTACC
RT-PfMYB100-F	CAGGGCTGAGGAGATG
RT-PfMYB100-R	GATGGGTATTCCAGTAGTTC
RT-PfMYB104-F	CGATAAATCCGACACGA

RT-PfMYB104-R	GTAAGTCCAAGTGAAGGGT
RT-PfMYB128-F	CGGGTAGGACTGACAATG
RT-PfMYB128-R	CGGTAGTTCGCTGGT
RT-PfPUBa-F	GCGGTGTTTCATCGTGG
RT-PfPUBa-R	TGGACAGGGCAGCAAG
RT-PtBAK1-F	TGGGAGGAATGGCAGAA
RT-PtBAK1-R	GGAGGGATGTGGGATGA
RT-PtBIK1-F	GGAGTGGCTGGCAGAAGTAAA
RT-PtBIK1-R	CACAATGAAGAAACGCAAGACC
RT-PtNLH10-F	GCCGTGGTTCTGACTGT
RT-PtNLH10-R	AGGTTGTAGCGGAGCAT
RT-PtXLG2-F	CCCCTCACTTGGTCATC
RT-PtXLG2-R	ATAATCTCCCTCGCATA
RT-PtNPR1-F	TGGCTAAAGACAGAAGTG
RT-PtNPR1-R	GCAATATGGGAACAATCA
RT-PtMKK4-F	ACGGCATCGCCTACTTG
RT-PtMKK4-R	GCATACCCATCATAACAATCCT
RT-PfMPL25-F	ATGTTCTTCCGCTGATA
RT-PfMPL25-R	AAGGGCTACAAAGGTTA
RT-PfMPL2-F	GTTCAAGGCACAAACCAC
RT-PfMPL2-R	TCTCCTTCCAGCATCTT
RT-PfMPL5-F	CAACTACCGCTCCGTCAC
RT-PfMPL5-R	GGGTTTCGTCTGGCTAAACT
RT-PfMPL9-F	TGTCATGGGTGTTCTCG
RT-PfMPL9-R	CGTCTTCACTTGCCTTC
RT-PfMPL16-F	GATGGTGTAGTGCTGGAT
RT-PfMPL16-R	CGTAGTTCTCGGTGTCAAT
RT-PfMPL19-F	ATACACCCAAGAAATCAAAC
RT-PfMPL19-R	ATCAAGGGCATCAATCC
RT-PfMPL30-F	ATCCTTGAGGGAGACGG
RT-PfMPL30-R	TGGTATGTGCTGGTTGTTT
RT-PfMPL46-F	TGATCGAAGGAGCTGTG
RT-PfMPL46-R	GTTGGCAAGGAGGTATT
RT-PfActin-F	AATGGAATCTGCTGGAAT
RT-PfActin-R	ACTGAGGACAATGTTACC

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