

### **Nucleotide sequence of BpMYB21 from birch**

TCGCCATCATCCTCTCTCTCTCACTTTCTCTCCGTCTCTATCTGTCTGTCTCACACAAACACACTCTT  
CTATCAAAGTATTGATCACAAAGTTTTGTGAAGATACAATGGGAAAATCTCCTTGTGTGAAAAAGATGG  
AATAAAGAAAGGTCCATGGACTGCTGAGGAAGATCAGAAACTGGTTGATTATATTCAAAGCATGGACA  
CGGTAGATGGCGAATCCTTCCTAAGAATGCAGGTTTGAAAAGGTGTGGAAAGAGCTGCCGGCTTCGCTG  
GACAAACTATTTGAGACCTGACATCAAGAGAGGGAGGTTTTTCGTATGAAGAAGAAGAGACCATAATACA  
ACTGCACGGTGTTTTTGGGAAATAAGTGGTCCGCTATTGCTGCTCACTTGCCAGGAAGAACAGATAATGA  
GATTAAGAACTATTGGAACACCCACATCAGAAAAAGGCTACTAAGAATGGGAATTGATCCAGTGACTION  
CACCCCACGCCTTGATCTTCTCGAACTCTACTCAATTCTGAACTCATCTCAACTTAATCTCCCCAGTTT  
GCTAGGGATTGGACCTATTGTCAACCCGAATCTCCTGAGTCTAGCCACAGCTCTCTTGTTCATCCCAATG  
CAAAAACCCCGATACTAATTCTCAATATCTTCAGCAAAAACCAACTTGATGACAATATTTCCAATTGAAAA  
CCAGTTCAGTCCACCCAACCAATTCAGCCAAACACAACCTATTTCTCACAAGCACCCTACTAAACTC  
TCTAAGCACTCCCTTTCAAAGTGAAACCCAGCTGACAGATCAACCCAAAAATGGAGCAAATCTCTCCAGA  
TTTTACCAATTTTAGCTGCCAAAATTTGTACCAAATTTATGGCAAAAATAACGGACAGAATCCTGCAGG  
TTTAGCTATGAGCGATATTCTGTACCATGATCAGCGCGTACCAAATTTTCAGCTTTGGCTCTCTTATTTT  
GACAGATTCATCTAGCGATCCCACTCCCTAAATTCATCTTCTACTATCACCTATGCCAACTGTAGCAC  
TGAAGATGAGAGGGATAGTTACTGCAGCAACATTTTGATGTATGATATGCCAAATAGCTTGACTGCCCG  
TGGATTGCATATGTAA

### **Amino acid sequence of ORF of BpMYB21 from birch**

MGKSPCCEKDGIKKGPWTAEEEDQKLVLDYIQKHGHGRWRILPKNAGLKRCGKSCRLRWTNYLRPDIKRGR  
FSYEEEEETIIQLHGVLGNKWSAIAAHLPGRTDNEIKNYWNTHIRKRLLRMGIDPVTHTPRLDLELYSI  
LNSSQLNLPSSLGIGPIVNPNNLSLATALSSQCKNPDTNSQYLQQNQLDDNIP IENQFQSTQPIQPNT  
TYFSQAPLLNLSLSTPFQSETQLTDQPKMEQISPDFTNFSCQNSVFNWQNNQNPAGLAMSDILYHDQR  
VPNFSFGSLISTDSSSDPTPLNSSSTITYANCSTEDERDSYCSNILMYDMPNSLTARGLHM