



**Figure S2:** Phylogenetic analysis of *LsMYB1*

>*Arabidopsis thaliana*/AtPAP1:NP\_176057.1

MEGSSKGLRKGAWTTEEDSLLRQCINKYGEGKWHQVPVRAGLNRCRKSCRLRWLNLYLK  
PSIKRGKLSSEVDLLRLHRLGNGRWSLIAGRLPGRTANDVKNYWNTHLSKKHEPCCKI  
KMKKRDITPIPTTPALKNNVYKPRPRSFTVNNDCNHLNAPPKVDVNPPCLGLNINNVCND  
SIYNKDKKKDQLVNNLIDGDNMWLEKFLEESQEVDILVPEATTTEKGDTLAFDQDLWS  
LFDGETVKFD\*

>*Arabidopsis thaliana*/AtPAP2: NP\_176813.1

MEGSSKGLRKGAWTAEEDSLLRLCIDKYGEGKWHQVPLRAGLNRCRKSCRLRWLNLYLK  
PSIKRGRLSNDEVDLLRLHKLLGNGRWSLIAGRLPGRTANDVKNYWNTHLSKKHESSCCK  
SKMKKKNIISPPTTPVQKIGVFKPRPRSFSVNNGCSHLNGLPEVDLIPSCGLKKNNVCENS  
ITCNKDEKDDFVNLMNGDNMWLENLLGENQEADAIVPEATTAEHGATLAFDVEQLW  
SLFDGETVELD\*

>*Arabidopsis thaliana*/AtMYB113\_1:NP\_176811.1

MGESPKGLRKGTTTEEDILLRQCIDKYGEGKWHRVPLRTGLNRCRKSCRLRWLNLYLK  
SIKRGKLCSEVDLVLRLHKLLGNGRWSLIAGRLPGRTANDVKNYWNTHLSKKHDERCCK  
TKMINKNITSHPTSSAQKIDVLKPRPRSFSKNSCNDVNILPKVDVPLHLGLNNNYVCES  
SITCNKDEQDKLININLLDGDNMWWESLLEADVGLPEATETAKGVTLPLDFEQIWARFD

EETLELN\*

>*Arabidopsis thaliana*/AtMYB113\_2:NP\_176811.1

MGESPKGLRKGTTTEEDILLRQCIDKYGEGKWHRVPLRTGLNRCRKSCRLRWLNLYKP  
SIKRGKLCSEVDLVLRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTHLSKKHDERCCK  
TKMINKNITSHPTSSAQKIDVLKPRPRSFSDKNSCNDVNILPKVDVVPLHLGLNNNYVCES  
SITCNKDEQKDKLININLLDGDNMWWESLLEADVLGPEATETAKGVTLPLDFEQIWARFD  
EETLELN

>*Arabidopsis thaliana*/AtMYB114: NP\_001321376.1

MEGSSKGLRKGAWTAEEDSLLRQCIGKYGEGKWHQVPLRAGLNRCRKSCRLRWLNLYLK  
PSIKRGKFSSDEVDLLRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTHLSKKHEPCCKT  
KIKRINIITPPNTPAQKVDIF\*

>*Nitraria sibirica* /NsMYB1r:XP\_023769167.1

MEGRGFGVRKGAWTAEEDILLRKCIKYGEQKWKQVPLRAGLNRCRKSCRLRWLNLYLK  
PGINRGQFTADEADLILRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTHLSKKVVAVDK  
KAKAKTDQKHAYKINIIPQPRTFSEKLSSTWIQKYKTTSNSSNITPSGVEVDLRKPTKSAG  
DKDNQCNNNPSTSTINQQDDNENMWWQNLFADDEEEMLGDFFMEDPIAELLNDKPVSE  
TKVGDTSFDAYQSGSSNHEHDALLSFNVDDHLWDLLDMN

>*Nitraria sibirica*/NsMYB1b:XP\_023769168.1

MEGRGFGVRKGAWTAEEDILLRKCIKYGEQKWKQVPLRAGLNRCRKSCRLRWLNLYLK  
PGINRGQFTADEADLILRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTHLKKVVAVDKK  
AKAKTDQKHAYKINIIPKPRTFSEKLSATWIQKYKTTSNSSNITPSGVEVDLRKPTKSAGD  
KDNQCNNNPSTSTINQQDDNENMWWQNLFADDEEEMLGDFFMEDPIAELLNDKPVSDT  
KVGDTSFDAYQSGSSNHEHDALLSFNVDDHLWDLLDMN

>*Dimocarpus longan*/DiMYB1: QRM13298.1

MSHLLGVSRYATSAGYIGVRKGAWTEEDNLLKKCIEIYGEQKWHQVPPVRAGLNRCR  
KSCRLRWLNLYLKPNIKRGEFMEDEVDLILRLHKLLGNRWSLIAGRLPGRTANDIKNYWNT  
HLRKKAVASKQESKTMTSTTTTQSTQKINVIKQPRTFAKKTSEWVNAKITMEENS RDHL  
GHPNLCKASPSTSLDTPDNNEMIMWWERLLESGQFELETQNSMGWSEPTKSNFWAEISP  
LRTMCAGSTGFEANQNCLDKHHDLDLDFATLWNLLSIEEDNAK

>*Litchi chinensis*/LcMYB1:KY302802

MSHLLGASAYSATSAEGYIGVRKGAWTEGEDNLLKKCVEIYGEQKWHQVPPVRAGLNRC  
RKSCRLRWLNLYLKPNIKRGEFMEDEVDLILRLHKLLGNRWSLIAGRLPGRTANDIKNYWN  
THLRKKAVASKQESKTMTSTTTTQSTQKINVIKQPRTFAKKTSEWVNTKITMEENS RDHL  
GHPNLCKASPSTSLDTPDNNEMIMWWERLLESGQFELETQNSMGWSEPTMSNFWAEIS  
PLRTMCAGSTGFEVNQNCLDKHHDLDLDFATLWNLLSIEEDNAK

>*Pistacia vera*/PvMYB90-like:XP\_031273872.1

MEIPLGVRKGAWTEEDNLLRKCIKYGEEKWHQIPLRAGLNRCRKSCRLRWLNLYLKPNI

KRGEFEADEVELILRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTHLRKKTVSCNEYIKE  
KGRKTGTVNIIRPRPQAFSKNIRWLKDKSIVENTVQSEDNSLCQPSTTLDPQDSESVWWEN  
VLSGKEFDQGASSSSGRQEEEVMPMANLLEENSSPGTTKGEENNIFYEVGQTLPTDLWLD  
VNLWNLFNTEQQKFI

>*Atalantia buxifolia*/AbMYB

MADSLGVRKGAWTGEEDDLLRKCIIEYGEAKWHQVPLRGGLNRCRKSCRLRWLNLYLKP  
NIKRKGFAADEVDLILRLHKLLGNRWSLIAGRLPGRTANDVKNFWNTHLRKKVDKCCKN  
NKEMKAKAEKVEKINIIKPQPRTFAKNSQWLKGKGMTSNNLQLGDYNLKGQSTPSDHHH  
HHQQQQENETESVWWESLLFGDELDDQQGISSLLSRPEEESTTANIFAEKSLEVTKVKENRV  
IEAGQSCTTDDFAFDAELWHLNAN

>*Citrus trifoliata*/CtMYB:XP\_006447732.1

MADSLGVRKGAWTGEEDDLLRKCIQKYGEAKWHQVPLRAGLHRCRKSCRLRWLNLYLKP  
NIKRGEFAADEVDLILRLHKLLGNRWSLIAGRLPGRTANDVKNFWNTHLRKKVDKCCKN  
NKEMKAKAEKVEKINIIKPQPRTFAKNSQWLKGKGMTSNNLQLGDYNLKGQSTPSDHHH  
HHQQQQVNETESVWWESFLFGDELDDQQGISSLLSRPEEESTTANIFAEKSPVVTKVKENRV  
TGAGQSCTTDDFAFDAELWDLLNAN

>*Citrus medica*/CmMYB:NP\_001275818.1

MADSLGVRKGAWTGEEDDLLRKCIKEYGEAKWHQVPLRAGLHRCRKSCRLRWLNLYLKP  
NIKRGEFAADEVDLILRLHKLLGNRWSLIAGRLPGRTANDVKNFWNTHLRKKVDKCCKN  
KKEMKAKAEKVEKINIIKPQPRTFAKNSQWLKGKGMTSNNLQLGDYNLKGQSTPSDHHH  
HHQQQQENETESVWWESFLFGDELDDQQGISSLLSRPEEESTTANIFAEKSPVVTKVKENRV  
IEAGQSCTTDDFAFDEELCDLLNAN

>*Citrus cavaleriei*/CcMYB

MADSLGVRKGAWTGEEDDLLRKCIKEYGEAKWHQVPLRAGLHRCRKSCRLRWLNLYLNP  
NIKRGEFAADEVDLILRLHKLLGNRWSLIAGRLPGRTANDVKNFWNTHLRKKVDKCCKN  
NKEMKAKAEKVEKINIIKPQPRTFAKNSQWLKGKGMTSNNLQLGDYNLKGQSTPSDHHX  
HHQQQQENETESVWWESFLFGDELDDQGMSSLLSRPEEESTTANILAEKSPVVTKVKANR  
VIEAGQSCTTDDFAFDAELWDLLNAN

>*Citrus maxima*/CrMYB

MADSLGVRKGAWTGEEDDLLRKCIKEYGEAKWHQVPLRAGLHRCRKSCRLRWLNLYLNP  
NIKRGEFAADEVDLILRLHKLLGNRWSLIAGRLPGRTANDVKNFWNTHLRKKVDKCCKN  
NKEMKAKAEKVEKINIIKPQPRTFAKNSQWLKGKGMTSNNLQLGDYNLKGQSTPSDHHH  
HHQQQQENETESVWWESFLFGDELDDQQGISSLLSRPEEESTTANIFAEKSPVVTKVKENRV  
IEAGQSCTTDDFAFDAELWDLLNAK

>*Citrus sinensis*/CsMYB

MADSLGVRKGAWTGEEDDLLRKCIKEYGEAKWHQVPLRAGLHRCRKSCRLRWLNLYLNP  
NIKRGEFAADEVDLILRLHKLLGNRWSLIVGRPLPGRTANDVKNFWNTHLRKKVDKCCKN  
NKEMKAKAEKVEKINIIKPQPRTFAKNSQWLKGKGMTSNNLQLGDYNLKGQSTPSDHHH

HHQQQQENETESVWWESFLFGDELDDQGGISSSLSRPEEESTTANIFA EKSPVVTKV TENRVI  
EAGQSCPTDDFAFDAELWDLNNAK

>*Eucalyptus grandis*/EgMYB114:XP\_010064838.3

MEGAAGVRKGAWTEEDVLLRKCEKYGEGKWHQVPRRGGLNRCRKSCRLRWLNLYLK  
PNIKRGA FQDDEVDMIIRLHKLLGNRWSLIAGRLQGRTANDIKNYWNTHLAKKVYQKQ  
KEDKPPWK FVTKNIRPQPRTFSKSSVWINGNATQVALRTPPGENLGQPSILFHQDKESA  
WWEDLLTESSPNEGLVTSTSGSEGQPGVKSWPREFAMDEGRNGWNELSFDTDIWEFLDS  
NP

>*Eucalyptus grandis*/EgMYB1:XP\_010062250.2

MKGAIGVRKGAWTEEDVLLKKCEKYGEGNWHQVPCRAGLNRCRKSCRLRWLNLYLK  
PNIKRGA FQEDEVDMIIRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTHVAKKVDHHKS  
KEDNHPGKCATKVS VIRPRPWTFKSSAWLKGKATLVASRAPPGDNPGQSSIPSPPTLLSRQ  
DKDSAWWETLFTDSGADEELLTSGSGSEEWPDANSWPWESAMEERQKGWNELSFDANI  
WELLGVSPPAIT

>*Populus trichocarpa*/PtMYB113:XP\_002322939.1

MVSLLGVRKGAWTEEDILLRKCEKYGEGRWHQVPSKTGLNRCRKSCRLRWLNLYLKP  
NIKRQGFSVDEVDLIIRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTNLRKKVVSSTEDA  
QTKPEAKSITKDNIIPRPNLKNLCWSRAGKGTPYINVASQYGDDLCPYSTTALPPSET  
DEVERMWWESLLDDKEINLTNNSSCLGSGSAVNQDPIKSLFVEDNAAGGIMIGDVFCEQG  
QSSWAGISFDANLRNQIVTEIYRQGPGL

>*Populus trichocarpa*/PtMYB90:XP\_024444016.1

MVSSLGVRKGAWTEEDILLRKCEKYGEGRWCQIPLQAGLNRCRKSCRMRLWLNLYLKP  
NVNRGQFSVGEVDLIIRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTNLRKKVVSSTRE  
AQTEPEPKAITKDNIIPRPNFKNLCWLRAGKGTPFINVGSQYGDDLCKPYSTIAFPSPDT  
DEVERMWWESLLDDKEINLTNRNSCQNSCLGSGSTANQEPINSLFVEANPPGGIMIGDVS  
DQGQNRWGDISFDADLWSLIDTEIDQQ

>*Populus euphratica*/PeMYB90-like

MVSSFGVRKGAWTEEDILLRKCVQKYGEGRWCQIPLKAGLNRCRKSCRMRLWLNLYLKP  
NVKRQGFSVGEVDLIIRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTNLRKKVVSSTRE  
AQTEPEPKSITKDNIIPRPNFKNLCWLRAGKGTPFINVGSQYGDDLCKPYSTIAFPSPDT  
DEVERMWWESLLDDTKINLTDSNSCQNSCLGSVSAANQEPINSTLFVEDNPPGGIMIGDV  
FSDQGQNRWGDISFDADLWRLIDAEIDQHKA

>*Vitis vinifera*/VvMYBA1: ABD72954.1

MESLGVRKGAWIQEEDVLLRKCEKYGEGKWHLVPLRAGLNRCRKSCRLRWLNLYLKP  
IKRGEFALDEVDLMIIRLHNLLGNRWSLIAGRLPGRTANDVKNYWHS HHFKKEVQFQEEG  
RDKPQTHSKTKAIKPHPHKFSKALPRFELKTTAVDTFDTQVSTSSKPSSTSPQPNDDIIWWE  
SLLAEHAPMDQETDFSASGEMLIASLRTEETATQKKGPM DGMIEQIQGGEGDFPFDFVGF  
W DTPNTQVNHLI

>*Morella rubra*/MrMYB1: ADG21957.1

MEGSLGVRKGAWTVEEDTLLKLYIEKYGEGKWHQVPPRAGLNRCRKSCRLRWLNLYLKP  
NIKRGEFKADEV DLMIRLHKLLGNRWSMIAGRLPGRTANDVKNYWNTHLRKNAISRIKD  
GGEKAQQTSKVNIKPRPRTFAKNLTWFGGKPTIMAASFQPKDNVISDLPPAPLPSENSVK  
WGENLFDDKEAGDEIGTYDVGGLNEEPIATFRWAEAAPAETVGTPLDEFGPSFWAEFPSNL  
DVWDFLDP

>*Liquidambar formosana*/LfMYB113: AQM49950.1

MEAPLGVRKGTWTEEDALLKKCIEEY GEGKWHQVPLRAGLNRCRKSCRLRWLNLYLRP  
NIKRGEFTLDEV DLIIRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTHLYKKRMVSRQEE  
LKDSAQKTVVKVNVIKPRPRTFSKRLPWLENSSTMFDDIHHQQKDNSIILSKPSPQTAAA  
LPVLDGNSQWWETLLVDE DASCISGSGEDPIACNVWSEDIAPAA NVGESFAQGGQSGW  
NEFPLDV DCLCWDLFQQEALI

>*Vitis riparia*/VrMYB114-like: NP\_001268002.1

MEGSLGLRKGAWTSEEDHLLRKCVEKYGEGKWHQVPFRAGLNRCRKSCRLRWLNLYLKP  
DIKRKGFTADEVDLMMRLHKLLGNRWALIAGRLPGRTSNDVKNYWNTHLRKKMKV KDE  
VEETVKINVIRPRPRTFTKNLYWLERKELLENDQSELHIPRKPSTTPPLEDGLNSWWESLF  
SDKEENKEITCSIERSANESISCLWDEQIAAMPEVGKTSITNGQIEWTDCSFDMDHLWDLIN  
A

>*Paeonia lutea*/PIMYB1

MEGRILGLRKGAWTHEEDCLLRNCVEKYGQEQWHLVPLRAGLNRCRKSCRLRWLNLYLR  
PNIHRGKFALDEV DLIIRLHKLLGNRWSLIAGRIPGRTANDVKNYWNTHMRKKMVSCREV  
INDKIQQRWKSNIKPPRTFTKSLSWLRGKSTLVFDKLQVKDSTRTEPPAILHLPQTDDIQ  
LLDFDNEGNKLSTNGPMVCFESLWDEEVAPNTNG

>*Coffea eugenioides*/CeMYB113-like: XP\_027077503.1

MRNTDGLRKGAWTEEDILLRKCMEKYGEGKWHQVPLRAGLNRCRKSCRLRWLNLYLRP  
DIKRGD FASDEV DLLIRLQKLLGNRWSLIAGRLPGRTANDVKNYWNTHLIKKMAFR RQP  
EKGQAGNTNYTTKPRASNIVKPRPWTF SKNASWLRGKATTTTTTTASSSTEIPTIRTTTNA  
QGLKDSPTSHPTIEKDDDNMQWWDNLFLDEEGGEGTPLGFDASGEDNVTSLWFEELS  
QMV FKEGDIWTQENQNGSGYSSTDADLWDFQISDHQTMQ

>*Coffea arabica*/CaMYB113-like:XP\_027077503.1

MRNTDGLRKGAWTEEDILLRKCMEKYGEGKWHQVPVRAGLNRCRKSCRLRWLNLYLR  
PDIKRGD FASDEV DLLIRLQKLLGNRWSLIAGRLPGRTANDVKNYWNTHLIKKMAFR RQP  
DEKGQAGNTNYTTKPRASNIVKPRPWTF SKNASWLRGKATTTTTTTASSSTEIPTIRTTTN  
AQGLKDSPTSHPTIEKDDDNMQWWDNLFLDEEGGEGTPLGFDASGEDNVTSLWFEEL  
SQMV FKEGDIWTQENQNGSGYSSTDADLWDFQISDHQTMQ

>*Antirrhinum majus*/AmROSEA2:ABB83827.1

MQKNPRGVRKGTWTK EEDILLMECIDKYGEGKWHQVPLKAGLNRCRKSCRLRWLNLYL

RPNIKRGCFSKDEVDLIVRLHKLLGNKWSLIAGRIPGRTANDVKNFWNTHVGKNLGVDG  
ERRKKNVMNTKNSKETNIIRPRARTFNGLHVTWPREHGKNDAFSNVRITSTTENLDYEKQ  
KPFHNNVASTPEEVDESIRWWSNLETTEDELENLFEDVQQTGKMSEW

>*Petunia x hybrida*/PhAN2: BAP28593.1

MSTSNASTSGVRKGAWTEEEEDLLLRECIEKYGEGKWHLPVVRAGLNRCRKSCRLRWLN  
LRPHIKRGDFSLDEVDLILRLHKLLGNRWSLIAGRPLPGRTANDVKNYWNTHLRKKLIAPH  
DQKQESKNKAMKITENSIIKPRPRTFSRPMNHVSCWNGKSCNKNTIDKNEGDTEIKFGD  
EKQKPEESIVDGLQWWANLLANNIEEELVSCNSPTLLHEETAPSVNAESSLTQGGGSGLS  
DFSVDIDDIWDLVS

>*Solanum lycopersicum*/SLAN2:XP\_004242682.1

IQKYGEGKWHLPVPARAGLNRCRKSCRLRWLNLRPHIKRGDFAPDEVDLILRLHKLLGNR  
WSLIAGRPLPGRTANDVKNYWNTHFHKKLSIIAPHLPHSRPRSHPRQLQIKHKSIAVTKNEII  
RPQPRNFSNVKKNDSHWCNNKSMITNTLDKDDKRCNEIVVNICEKPIGENTSSIDDGVEW  
WTNLLENCIEIEEETANTNFGKTPTMLLHEEISPPLVNGEDNSMQQGPTNNWDDFSTDIDL  
WNLLN

>*Lycium barbarum*/LrAN2: QCS14086.1

MMNTSVTITKSSGVRKGAWTEEEEDHLLRKCIQKYGEGKWHQVPIRAGLNRCRKSCRLR  
WLNLYLRPHIKRGDFSSEEDLILRLHKLLGNRWSLIAGRPLPGRTANDVKNYWNTHLQRKL  
TAPHQKERKYNNALKITENTILRPRPRTFTSSSAKNVSFCSNKSITNTVDKNAHNNEILNIC  
EKPTGETTSVDEGVQWWTSLENCNETEEEEAEAFGSFDEENMLQSLHHEEISPPMQGQS  
GNWDDFSADIDLWNLLN

>*Capsicum annuum*/CaMYB113: NP\_001311547.1

MNTAIIAKSSGVRKGAWTEEEEDFLLRKCIQNYGEGKWHLPVIRAGLNRCRKSCRLRWLN  
YLRPHIKRGDFGWDEIDLILRLHKLLGNRWSLIAGRPLPGRTANDVKNYWNTHLQKKLITA  
PHRQEKKYNTALKITTKNVLRPRPRTFSSSAKNNISWCTNKSTVITNTLDKDERDKEIGLNI  
CQKLTSETSSSTIDGQVQWWTSLENCKEIEEDVAAVGIFEEKNLVPSLLHDEINSLTMQQ  
GQSDGWDDFSADIDLWNLLN

>***LsMYB1***

MRPGNNTGIGLRKGAWTADEDMLLKKCIEKYGEGKWHLVPLRTGLNRCRKSCRLRWLN  
YLRPNIKRGDFGEDEVDLMLRLHKLLGNRWSLIAGRIPGRTANDVKNYWNTHLRSNSKQ  
KKESKDNKSLQDTMVTTIKQPHTFSKTLKQYMADNPQIVAHNGSNILRSSKDGVNNNLN  
MSLGSILSPNVLDNTINEYLDDLLFDDRENEMNNQIGWSFGVSMNGETSHVMAQEDDYK  
GLFDFPVDEAMWDLTD\*

>*Helianthus annuus*/HaMYB1: XP\_022033329.1

MRPTANTSVLKKGAWTTEEDILLKNYIQKYGEGKWHLVPLKAGLNRCRKSCRLRWLN  
YLRPNIKRGDFGEDEIDLMHRLHKLLGNRWSLIAGRPLPGRTANDVKNYWNTHNVRSRPKR  
QKEAPKDDEGSQQAMVTVIRPKPHTFSKTLNLYPQPDNMGKLITSSNDGFINAFNNSPGLV  
TSPTISDDMINEYFYELFEDREKEMGLKNLDVVEQDGQNSMFNPTDGDIDWDLDD

>*Helianthus tuberosus*/HtMYB2: QJQ28877.1

MSQNCNTSLVLRKGAWTAEEDMLLKNCVENFGEGKWHLVPLRAGLNRCRKSCRLRWLN  
YLRPNIKRGGFDKDEVDLMLRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTHLRSRLKQ  
EKEKLDGGEQSEHTMVTVIKQPHTISKTLNLYPHVTPNYTHNLITSSNDSIDNTFNISPN  
VVSSPTFVDKINGYLEELFDNQEKKIDDEVGWSFGLEAEGLDVSKQVDGQNSVFDLPMD  
EIVMLDLLY

>*Gynura bicolor*/GbMYB2a: BAP47698.1

MLKNTSVKYKQMRQGGNASLVLRKGAWTIKEDMLLKNCIEKFGEGKWHLVPLKAGLN  
CRKSCRLRWLNLYLRPNIKRGDFGEDEVLDLMLRLHKLLGNRWSLIAGRIPGRTANDVKNY  
WNTHLRSRSKKQQKEEETKECEQTTTVTIHKPQPILFKIRNFYPHNVAQHNEVNLITVSSE  
DAVNDTFNVSSGLMFSSKVSDDKIINYQDELLVDQEKGIGDEVGWSLSGFLAKEESLDDQI  
SFPDFPYMDEVMMDLLSDM

>*Chrysanthemum morifolium*/CmMYB6: AKP06190.1

MGEYRKMRPSSSTGLRLKKGAWTPKEDMLLRNCIQKHGEGEWHLIPLKAGLSRCRKSCR  
LRWLNLYLRPNIKKGDFFEEDEIDLRLHKLLGNRWSLIAGRIPGRTANDVKNYWNTHIRPR  
SNKQDNEAKDITTAVTVIKQPRIKSKTVNSNPPIAAPQDYNLVRSTHDGVETAFFDISSGYIS  
SPIVSDAKIDKYLVELFDNEDKEFDGEIGWSLDGCPFQGEALDAEQEDGESSVFDLPIDEF  
MWDFLNSDQL

>*Lotus japonicus*/LjMYB89: ARK19317.1

MGGVAWTEEDHLLKKCIEQYGEKWHRIPLAGLNRCRKSCRLRWLNLYLRPNIRRGNF  
TDEEVDMIVKLHKLLGNRWSLIAGRLAGRTANDVKNYWNCHLSKKLNAQVVDQEKHM  
VTNIDVIKQPAGNVIIGTSSISSKRSQGLGELSPSPPPAVPHHQSTGIIFSPTFDGGHGSQML  
ELEEDHNMCSYLDQQGLVGMLPMELQFDEVKAMSNGQNSSSQWDWDEMLFDMMDLYN  
DSSFRFF

>*Gossypium hirsutum*/GhMYB10: AAK19615.1

MGRSPCCSKEGLNRGAWTALEDKILKDYIKVHGEGRWRNLPKRAGLKRCGKSCRLRWLN  
NYLRPDIKRGNISPDDEELIHKLLGNRWSLIAGRLPGRTDNEIKNYWNTNLSKRVSDR  
QKSPAAPSKKPEAARRGTAGNGNTNGNGSGSSSTHVVRTRATRCSKVFINPHHHTQNRHP  
KPSSTCSNHGDHREPKTMNELLLPIMSESENEGTTDHISDFTFDNMGECFCLSDLLNSDF  
CDVNELNYSNGFDSSPSDQPPMDFSEMLKEWTAAASTHCCHQSAASNLSLPPFIENGI  
E

>*Triticum aestivum*/TaMYB10: BAH36889.1

MGRKPCCAKEGLNRGAWTAMEDEILVSYINDHGEKWGSLPKRAGLNRCGKSCRLRWLN  
NYLRPGIKRGNISDDEELIVRLHRLGNRWSLIAGRLPGRTDNEIKNYWNTTLSKRNLSQ  
HGAGCSNHPQAKPPAARRTPCPRARAAARYGPRRCGAPPRCWRQQRGFTSRAVRRRSTS  
RRRISWVTACPSARSTSIWRASSWAS

>*Zea mays*/ZmMYBP: AAL90641.1

MGRAPCCEKVGLKRGRWTAEEEDQLLANYIAEHGEGSWRSLPKNAGLLRCGKSCRLRWI  
NYLRADVKGNGNISKEEEDIIIKLHATLGN

>*Oryza sativa*JaponicaGroup/OsMYB4: NP\_001389328.1

MGRAPCCEKMGLKKGPWTPEEDKVLVAHIQRHGHGNWRALPKQAGLLRCGKSCRLRWI  
NYLRPDIKRGNFSKEEEDTIIHLHELLGNRWSAIAARLPGRTDNEIKNVWHTHLKKRLDAP  
AQGGHVAASGGKKHKKPKSAKKPAAAAAAPPASPERSASSSVTESSMASSVAEEHGNAGI  
SSASASVCAKEESSFTSASEEFQIDDSFWSETLSMPLDGYDVSMEPGDAFVAPPSADDMD  
YWLGVFMESGEAQDLPQI

>*Daucus carota*/DcMYB4: XP\_017224603.1

MGRAPCCEKMGLKKGPWSSEEDQILISFIQQNGHGNWRALPKLAGLLRCGKSCRLRWI  
YLRPDIKRGNFSKEEETIIELHQKLGNKWAAIAAKLPGRTDNEIKNVWHTHLKKKLKNY  
DQVKNESNVKMQVESENRRNSPQHSTSELSSVTDSSAKAKCVIKSEQNTESSSKIPEID  
ASFWSEEFINNQDKGVPGIIEEFQESGNVDAEMDFWCNLFSGAEDFKDLPEF

>*Nicotiana tomentosiformis*/NtMYB30: XP\_009629052.1

MVRAPCCEKMGLKKGPWTPEEDQILVSYIQTNHGHGNWRALPKLAGLLRCGKSCRLRWI  
NYLRPDIKRGNFTREEEDSIIQLHEMLGNRWSAIAARLPGRTDNEIKNVWHTHLKKRLKN  
YQPPQNSKRHSKNNLDSKAPSTSQTFNNSDNFSNIQEDINGPVTGPNSPQRSSEMSTVTV  
DSTAMTTITIDDQNMFKQLDEMDSSENFPEIDESFWTDDLSTSDNSTFGMEGTGGELQVQ  
FPFSSVKQESMDMVGAKLEDDMDFWYNVFIKSGDLLDLPEF