

**Table S9** Functionally identified R2R3-MYBs in other plants.

Gene	Species/Cultivars	Genome id/Accession number/Protein Sequence
<i>AcMYBF110</i>	<i>Actinidia chinensis</i>	MESVTLGVRKGAWTEEDKLLKCKIEKYGEGKWHQVPLRSGLNRCRKRMRWLNLYLRPNINRGNFTAD EVDLIIRLHKLLGNRWSLIAGRLPGRTSNDVKNYWNTLQKLLITYPRAQPIPKTQKTIVPKGTEAQPRAHPK SPPRPSPSPNNEILWWDNKTVPQIDNIGHWSIDGSIFEEPILGNLQSAGDSFLQQNSDWSDFLEDVNL RDLLGDD
<i>AtMYB123</i>	<i>Arabidopsis thaliana</i>	AT5G35550
<i>AtMYB4</i>	<i>Arabidopsis thaliana</i>	AT4G38620
<i>AtPAP1</i>	<i>Arabidopsis thaliana</i>	AAG42001.1
<i>CsMYB75</i>	<i>Camellia sinensis</i>	MDSVCCVPLGVRKGAWTGEEDSLLKNCIEQYGEQGMWHQIPSRAGLNRCRKRSCRLRWLNLYLRPNIKRGNF TMDEVDLIIKLLGNRWSLIAGRLPGRTANDVKNYWNTLQKLLITQREKVKAKTQEKMETIIIRPRPRIF SKNQPRMLDKTAIENIRTRDNLSEPFPLPLPPSRDDGISWDNIVVNSKINNGITWSANGLIEEANIGNW DGKIRPGTHTSCGNFIDEDQSDWSDIFFNNVNLWDLLGDE
<i>FaMYB1</i>	<i>Fragaria × ananassa</i>	AAK84064.1
<i>FaMYB10</i>	<i>Fragaria × ananassa</i>	ABX79947.1
<i>FaMYB11</i>	<i>Fragaria × ananassa</i>	AFL02461.1
<i>LAP1</i>	<i>Medicago truncatula</i>	ACN79541.1
<i>LcMYB1</i>	<i>Litchi chinensis</i>	MSHLLGASAYSATSAEGYIGVRKGAWTEEDNLLKCKIEIYGEQKWHQVFRAGLNRCRKRSCRLRWLNLYLK PNIKRGEFMEDEVDLIRLHKLLGNRWSLIAGRLPGRTANDIKNYWNTLHRKKAVASKQESKMTSTTTTQ STQKINVIKQPRTFAKKTSEWVNTKITMEENSRDHLGHPNLCKASPSTSLDTPDNNEMIMWWERLLESG QQFLETQNSMGWSEPTMSNFWAEISPLRTMCAGSTGFEVNQNCCLKHHDLDLDFATLWNLISIEDNA K
<i>LhMYB12-lat</i>	<i>Lilium hybrid</i> 'Tiny Padhye'	BAO04193.1
<i>MdMYB1</i>	<i>Malus × domestica</i>	DQ886414.1
<i>MdMYB1</i>	<i>Malus × domestica</i>	BAM84360.1
<i>MdMYB10</i>	<i>Malus × domestica</i>	ACQ45201.1
<i>MdMYB16</i>	<i>Malus × domestica</i>	ADL36756.1
<i>MdMYBA</i>	<i>Malus × domestica</i>	BAF80582.1
<i>PhAN2</i>	<i>Petunia x hybrid</i>	ABO21074.1
<i>PpMYB10.1</i>	<i>Prunus persica</i>	Prupe.3G163100
<i>PpMYB10.4</i>	<i>Prunus persica</i>	XP020420992.1
<i>PpMYB17</i>	<i>Prunus persica</i>	ALO81020.1
<i>PpMYB18</i>	<i>Prunus persica</i>	ALO81021.1
<i>PpMYB19</i>	<i>Prunus persica</i>	ALO81022.1
<i>PpMYB20</i>	<i>Prunus persica</i>	ALO81023.1
<i>RsMYB1a</i>	<i>Raphanus sativus</i>	MEGSSKGLRKGAWTAEEDSLLRQCIDKYGEGKWHQVPLRAELNRCRKRSCRLRWLNLYLKPSIKRGKLNDSDE VDLLLRLHKLLGNRWSLIAGRLPGRTANDVKNYWNTLHLSKKHEPGCKTCMKKEKRNPICSTTLACKIDVFK PRPRSFTVNNGCSHIIGMPKPDVVPLCLRFNNTKNVCENIATCNKDDDKSELVCNLMDCNMWWESLLD ESQDPAALYPEATATKKAVTSEFDVDHLWSLLDGETGT