

-2323 TGCTGAGACAGCCAAAGGACGCCTTCTCCACCCAGTCCACAAG^{ABRE}**GTGGC**CCCTCAATTCCGGACCTACATT

-2253 ^{AuxRE}AA**CAGCAA**CAAAAGATGAGAATGCCATCCGGAAGAGTCAACAAAAAATCAACAAAGTAAAAACCGGACAA

-2183 TAGTCACAAAGCAAACCTACCCGGAACCACCAAGGAGTAGTTTGGAGAGAAAGGCCTCGCCGGATGCTCC

-2113 AAAAGCC^{LRE}**CCGCCC**ATGCACCCCGG^{ABRE}**ACCACCACGTGTCCCGT**^{ABRE}**CG**CCCCCTCCCTTTGTCTGAATCTGGCAGCT

-2043 ^{JARE JARE}**CCGTCACC**AGTTGGAGGGAGGGCAGGTGTGCGGACATGCTGAAGATGTCATTTTTGACCTTCTTCAAAGA

-1973 ATACACAAAAAACACCTCCAGCAGCGTGAGATCGAGGTTGTACAGCATGTTTATGATGCTGCATCCCATC

-1903 AGCACCCGGACGATGT^{GARE}**TGGGAT**^{SURE}**GAATAAA**GACGGGTGGAATCTGGGTGAAGTGGAGGAACCTCCTTGAACA

-1833 ACGCCAGCAGAGGGAACCGGAGCCCCGCGTTGAATTGTTCTTCGAGAAGATGATAGTTTTTTCTTCTGC

-1763 TTTCTCAGAAGGAACAAGCACCTCCCATT^{AuxRE}**CAGCAA**TCGATAGCCAC^{JARE}**CGTCATT**^{ABRE LRE}**TGG**GATACAGAACCGT

-1693 TCCCGGAATTCTTCGCGTCCAAC^{LRE}**TTATCTAT**CGCTTTTCCACGAACCTCGGTACCCCGAGAAGATGAAA

-1623 CAGTCTTTTTTGCAGCCATT^{LRE}**TCTTAC**CACAAACACAAGCCCCAAACTACACACAAGAAGCGCAATGGGTA

-1553 AAACACAAGTAACCCAGAAAATACACAAACCCTAACCCGAACAAATCAGAAACCAAACCAACAAAACGC

-1483 ^{GARE}AA^{AuxRE}**CAAAAGGAA**^{ABRE}**CAGCAA**^{LRE}**TAGCAA**^{ABRE}**AGTACACGTACC**AAATGAAGCTCTGAAGAAGAAAGGTCGTCGTTTTC

-1413 GAATACAAGAACACCAG^{AuxRE}**CAGCAA**ACAAATGTCGCGACACAAAATCACCGGTACAAAAGTGTTCGAGTT

-1343 TCTTTACTCAGAAAAAGCAAAGGACGCAACAAAAGCAAGAAGAAGAAAGGATCTCAGGAAAATGCAGTAG

-1273 AAAAAATG^{SARE}**AAAAAGAAGG**TACAGTACGATATTTATAGGGGGACCAGCCCTCGGAAAGCCAAACGTCCAAA

-1203 CAGCGCTATCATTGAAACAACATGCTGCCTGGGAATTCCCAGAGTCGCCGGCTCATCATAAATGCCTTTT

-1133 ATGGCTTCCGCACCCCCTCTCG^{ABRE LRE}**CCACGTGGCT**^{ABRE}**CAG**^{LRE}TCAGACGAAGAGACCTCTTCAAATTCAAAAGCC

-1063 AG^{SURE}**TTATTTT**^{LRE}**TTAACC**CGCCCATTTTTTGGCAAAATAGGCAAGTTAAAAGGGGGCAATGTAGGGACCCC

-0993 TCCCTCTGGGAAA**CACGTGGCAC**GCACCTCACAGTGACACGCAG**CACGTGTTAT**CAGCCGGACCATCATC
 -0923 ATCCGGATTCCCTTAAGGATACGCATGATGATGGTTC**TCCTATC**CGGACCGCCTCAAGGAAAAGCACAT**TG**
 -0853 **ACG**TTTTCAGCTTCTTCTGTCCAAGGAAGAGCAAACGACGCTGACAGAGCATAGACATCCGGACAACCTTC
 -0783 ATAATGTATCTGCTCCACTATACAATCCGGATAGTCAGCATGTGACCATCCGGATTTAATCGTCCGGATC
 -0713 ATCAATTAAAGTAAAGCAAG**TCTTAC**ACGCTAT**CACGAC**AACCAGCCATGGCCACATCCCATCATCTGC
 -0643 AGAGTGAAAGGACGGGTCGAGGTGACAACAAGTCACTTCCACGATCATTCTACATGATCATTTCACG
 -0573 ATATCTAGACAGCAGCATCACCTACCACGGTTTCTGACAG**GCCGCC**AGTAGG**GTGGC**GATGACCATGCTGC
 -0503 CTCCGAATGTCATCATGACAAACATAAAATATCTCCTCGCC**ATTAAT**GAGAGGAACAGTACCCCTGAAGC
 -0433 TGTATATATATGCCTTCGCACGAAGAAGAAGGGGATCCTCCTGGTAACTTCTTAATACCTGGTAAAAGGC
 -0363 CAACTAATTTATATTCTCTCTAACCATGGCTAACAAAACCATCGGAGGATGCGTCCAGACACCCTGT
 -0293 CCGGATGCCTTCTTGCAGGAA**TGACG**ACTGGATCAAAAACCTTTATGAGTTGAGATCACGCGTCCATCCA
 -0223 TCTGGTTAC**TACGTG**GACCGCCAAAGACGCGAGGTAACAACAACACACCCCTTTGTCCATGAACTCCAG
 -0153 CGC**ATTTGG**AAGCCAGTAATGCACCATAAG**GAAACGTGTC****GAATAAA**CCAATTAGGGGTCTGGTGTCCGAG
 -0083 TCATGAGATAGAACAGGTTTCGAGGTTGT**TATA**TATCAATCAATAATTAGAGAAGGAGCCGGTCTCTTGTG
 -0013 TTGAGTTGACTCG

Supplementary Figure 4. Different cis-elements detected in the *MYBA1* promoter region from -2323 to +1. Sequence was analyzed using the PlantCARE website (<http://bioinformatics.psb.ugent.be/webtools/plantcare/html/>) (Lescot et al., 2002) and PLACE website (<https://www.dna.affrc.go.jp/PLACE/?action=newplace>) (Higo et al., 1998). Number of lines indicates the nucleotide location relative to the start codon. Cis-elements sequence are indicated in bold letters and abbreviations of the different responsive elements are ABA (ABRE), ethylene (ERE), light (LRE), sugar (SURE), methyl jasmonate (JARE), gibberellic acid (GARE), auxin (AuxRE) and salicylic acid (SARE).