

A R2R3-type MYB gene, *OsMYB2*, is involved in salt, cold and dehydration tolerance in rice

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Table S1 Primers used in real-time PCR to verify the expression pattern of differentially expressed genes from the microarray experiment.

Accession number	Forward primer sequence (5'-3')	Reverse primer sequence (5'-3')
AF009411.1	CGGATGTTGATTACCGCTGCTT	TCGAGGATCTCGCCGTAGGTGG
AK061224.1	CATCGGGCTCGCCAACAT	CGACGAGTACGCCACCATC
AK064650.1	TGGAGCACTACAAGGGATTT	AGGCGAGCAAGGCAGATA
AK069361.1	CCAACTATAAATACGAGCAA	CATAAGATGAAAGTGAGGC
AK074025.1	AAAATGGGTCAAACATAGGAGG	CGCTACAAGATGCGGAGA
AK102940.1	TGAGGGTACAGAGCTGACG	AGGCACCACTGACCAAGA
AK103319	TACCGTGACAACGATAACA	TAGGCTCATCTCCATTACA
AK103359.1	CAAAGCAGTGGGCTATGTG	TCTCGCTGTGGGTGTTGA
AU100845	GCGGTCGCACAAGATGAA	CACGAATGGATGGGATGG
AY181210.1	ACTATGCTGCTCGTGAGTGTTG	ACCCTGGTGAAGTGCTGAAA
NM_189846.1	TGGTCACTGGGAGGTTAT	CATTGACGCAAGAAGATAA
NM_195383.1	AAACCAGTCAATGGGATG	AGCGGAAGGAAGCAGATA

Tables S2 & S3 – see separate files

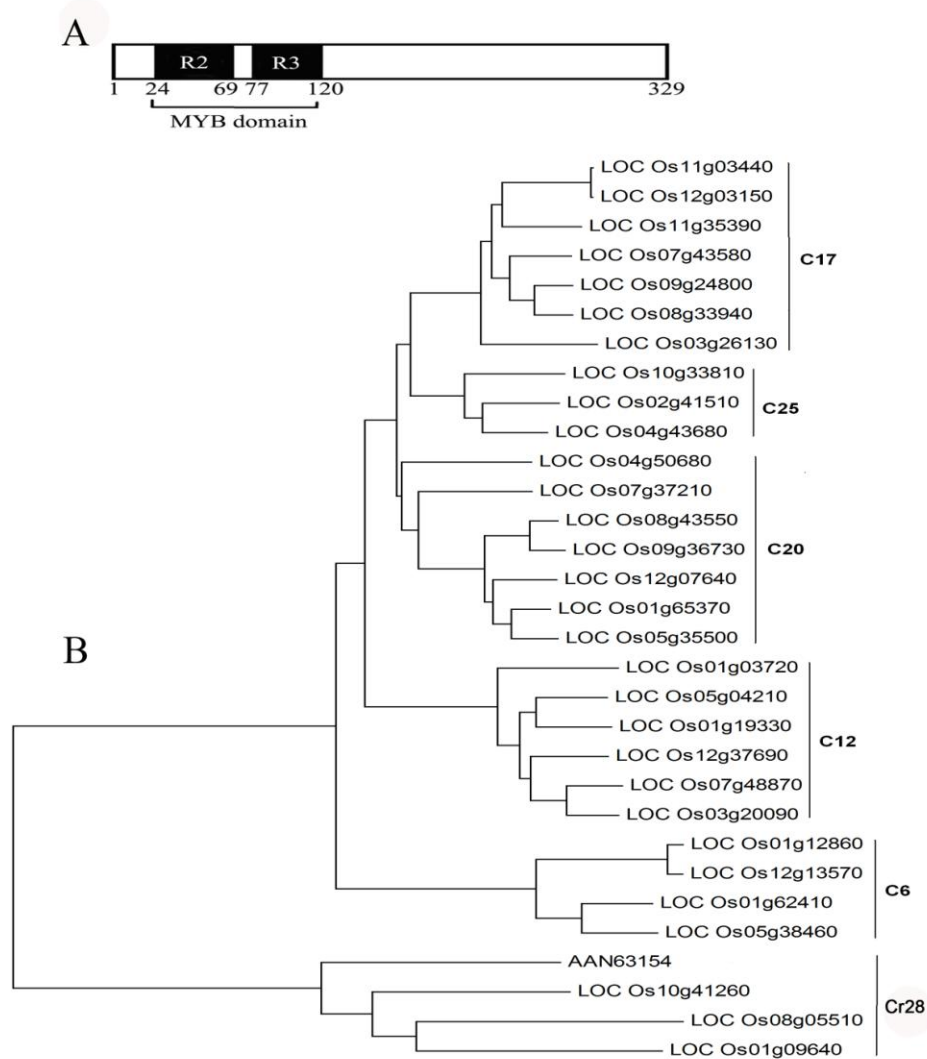


Figure S1. Analyses of *OsMYB2* gene from rice. (A) Structure of *OsMYB2* protein. The MYB domain and two imperfect repeat sequences (R1 and R2) domains are shown. (B) Phylogenetic tree of MYB proteins. The tree was constructed with the DNAMAN tree program with full-length amino acid sequences downloaded from TIGR (<http://www.tigr.org>) and NCBI (www.ncbi.nlm.nih.gov). The locus of *OsMYB2* is LOC_Os3g20090.

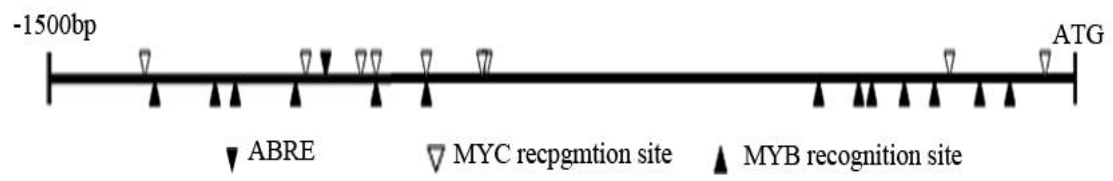


Figure S2. Distribution of stress related *cis*-elements in the *OsMYB2* promoter region.

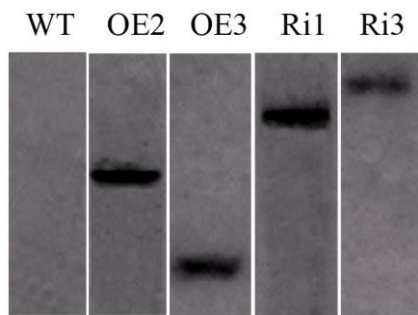


Figure S3. Southern blot analysis of independent transgenic rice lines. Rice genome DNA are digested by *EcoRI*. The blots was hybridized with α -³²P-dCTP-labeled *GUS*. WT indicates wild type. OE2 and OE3 represent overexpressing transgenic lines, and Ri1 and Ri3 indicates RNAi transgenic lines.