



Supplementary Fig.S1

(a) Escherichia coli colony PCR test. M: DL2000 DNA labeling, 1-3: Three colonies were successfully ligated to the expression vector. The illustration shows that the sample is from the same experiment and that the gel / imprinting is processed in parallel.

(b) Agrobacterium colony PCR detection. M: DL2000 DNA labeling, 1-8: 2 were successfully transformed into Agrobacterium. The illustration shows that the sample is from the same experiment and that the gel / imprinting is processed in parallel.

(c) PCR detection of transgenic poplar. M: DL2000 DNA labeling, P: Recombinant plasmid containing PagMYB73A, H₂O: Blank control, WT: Non-transgenic plant genomic DNA, 1-5: Different lines of poplar transformed with PagMYB73A-OE gene. The illustration shows that the sample is from the same experiment and that the gel / imprinting is processed in parallel.

(d) RT-qPCR detection of transgenic plants. WT: Non-transgenic plants, OE-1 , OE-8 , OE-9 , OE-10 , OE-12 : PagMYB73A transgenic plants.