



**Figure S1.** Venn diagram of DEGs induced by cold stress in Towada and ZL31 at the two time points compared with 0 h cold treatment. Up- and downregulated DEGs are indicated by upward- and downward-pointing arrows, respectively.

**Table S1.** Putative *cis*-regulatory elements of *OsWRKY24* identified in variant regions of the Towada and ZL31 promoters.

Variant region (Towada)	Putative <i>cis</i> -element ID	Putative function
-1139 to -1136 bp	GTGA motif	Modulate expression of the tobacco late pollen gene
-572 to -567 bp	AMYBOX2	Conserved sequence found in 5' upstream region of <i>alpha-amylase</i> gene
	MYB	Core motif of MYB binding site
-213 to -207 bp	SEF3MOTIFGM	SEF3 binding site found in the 5' upstream region of beta-conglycinin

Online software analysis by PLACE (<http://www.dna.affrc.go.jp/PLACE/>).

**Table S2.** Primers for qRT-PCR.

Gene	Forward primer (5'-3')	Reverse primer (5'-3')
<i>OsWRKY24</i>	GAATCTCAAAGACATGACACGACGG	CATCTGCATTCCTGGGCCCTC
<i>OsCAT2</i>	AGGAGGCAGAAGGCGACGATACA	TCTTCACATGCTTGGCTTCACGTT
<i>OsJAZ9</i>	GGCCGGTCGAGTTGGAA	GGTCAGGCTCGGCGAAAT
<i>OsRR6</i>	GTCCCCAACGTCAACATGATC	CACGTTCTCCGACGACATGAT