

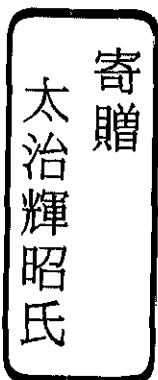
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Important Roles of Drought- and Cold-  
Inducible Genes for Galactinol Synthase  
in Stress Tolerance in *Arabidopsis thaliana*

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## Abbreviations

ABA	: abscisic acid
ABRE	: ABA-responsive element
AtGalS	: <i>Arabidopsis thaliana</i> galactinol synthase
AtNCED	: <i>Arabidopsis thaliana</i> 9- <i>cis</i> -epoxycarotenoid dioxygenase
AtRafS	: <i>Arabidopsis thaliana</i> raffinose synthase
bp	: base pairs
CBF	: C-repeat binding factor
cDNA	: complementary DNA
CMV	: cucumber mosaic virus
COR	: cold-regulated
cv.	: cultivar
Da	: Dalton
DNA	: deoxyribonucleic acid
DREB	: dehydration-responsive element binding factor
dsRNA	: double strand RNA
dsRNAi	: double strand RNA interference
ERD	: early responsive to dehydration
FW	: fresh weight
GST	: glutathione S-transferase
HPLC	: high performance liquid chromatography
IPTG	: isopropyl- $\beta$ -D-thiogalactopyranoside

kbp	: kilo base pairs
kDa	: kilo Dalton
LEA protein	: late embryogenesis abundant protein
MES	: 2-(N-morpholino)-ethanesulfonic acid
mRNA	: messenger RNA
PCR	: polymerase chain reaction
ProDH	: proline dehydrogenase
RD	: responsive to dehydration
RFO	: raffinose family oligosaccharides
RNA	: ribonucleic acid
SDS	: sodium dodecyl sulfate
SSC	: sodium chloride/sodium citrate
WT	: wild type