

Table 1 Suppl. Abiotic stress tolerance genes-specific primers used in this study (F - forward, R - reverse).

Name	Primer sequence	Gene ID
AtUBQIN	F: TTCAGGCGAGTGAGTGAGCAGT R: TCCGCAGTTGCATCTTGGTATT	AT4G05320
RD19A	F: CGACTCATGGTGTTACGCAGTT R: TTGTTGGCATCTTTAGGAA	AT4G39090
RD22	F: ACTTGGTAAATATCACGTCAGGGCT R: CTGAGGTGTTCTTGTGGCATAACC	AT5G25610
RD29A	F: CCGTGACGACGAAGTTACCTAT R: CTGAAGTTTCTCGGCAACCATA	AT5G52310
COR15A	F: ACTCCTCCTTTCATTTCCAAAC R: AAGCCATAACCAGTGAGACACAGC	At2g42540
COR47	F: ATCATGCCAAGACCATG R: AATCAACGAAAGCCACAATAAC	AT1G20440
P5CS1	F: AGATGGTTTCCGATTT R: CCACTACATAAGCGAGGGTTTC	AT2G39800
DREB2A	F: GCTGAGCGAGTTTGAACAT R: CTGCAACAGATAGCGAA	AT5G05410
KIN1	F: CTGGAGCTGGAGCACAACA R: ATTTGACCCGAATCGCTACTTG	AT1G14370

ATG GTG AGA GCT CCT TGC TGT GAA AAG ATG GGG TTG AAG AAA GGT CCA TGG
 M V R A P C C E K M G L K K G P W
 ACT CGC GAC GAA GAT CAG ATT CTC ATC AAC CAT GTC ACT CTT TAT GGC CAT
 T R D E D Q I L I N H V T L Y G H
 GGC AAC TGG CGG GCT CTT CCT AAA CAA GCC GGT TTG TTAAGG TGT GGA AAG
 G N W R A L P K Q A G L L R C G K
 AGT TGT AGA CTT CGG TGG ACG AAT TAT TTG AGA CCG GAC ATT AAA CGA GGA
 S C R L R W T N Y L R P D I K R G
 AAC TTT AGT GAA GAA GAG GAG GAA ACC ATC ATC AGC TTA CAC GAA GTA TTA
 N F S E E E E E T I I S L H E V L
 GGA AAT AGA TGG TCA GCA ATT GCA GCA AGA TTA CCT GGA CGT ACC GAC AAT
 G N R W S A I A A R L P G R T D N
 GAA ATA AAA AAT GTG TGG CAC ACC CAC TTA AAA AAG AAA CTC AAG AAA AAC
 E I K N V W H T H L K K K L K K N
 CAA TTA GAA AAT AGC CCT GAT CAA ATA TTA TCC AAG TCG GAA CCA AAA CCA
 Q L E N S P D Q I L S K S E P K P
 ATG AAG CAG TCT ACC ACT CAA TCA ACA TCC CAC GAT GAC CTC CCA AAT TCA
 M K Q S T T Q S T S H D D L P N S
 CCG CAA TCA ATC ACC ACC ACC AGC AGC GAA GAT AAT AAC ATG TCC ATC CAC
 P Q S I T T T S S E D N N M S I H
 ACC GCC GAG GCT TTT GAT GAC ACT TTT TGG TCA GAA TTA TTC TCC ACT GAT
 T A E A F D D T F W S E L F S T D
 GAA AAC TCC GGT AAT ACA AGC GAC AAT TCC GGT GAC ACA ACT GAT TTT AAC
 E N S G N T S D N S G D T T D F N
 CGA GGT GCT CAG CTT CAA ATA TTT CCG GAA TTT GGA TGT GAA AAT AAT TTA
 R G A Q L Q I F P E F G C E N N L
 AAC ATG AAT GAT GGC ATG GAC TTT TTT TGG TAC GAC ATT CTC ACA AAA TCA
 N M N D G M D F F W Y D I L T K S
 GCT GGG GAC TTA CCT GAA TTC
 A G D L P E F

Fig.1 Suppl. The sequence and structure of the *Panax ginseng myeloblastosis 4* gene.

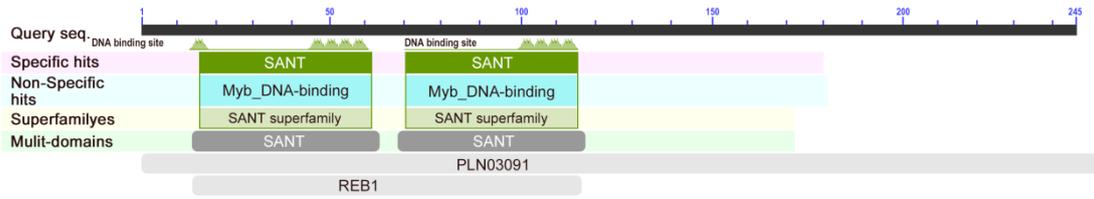


Fig. 2 Suppl. Conserved domains of *myeloblastosis 4* from *Panax ginseng*.

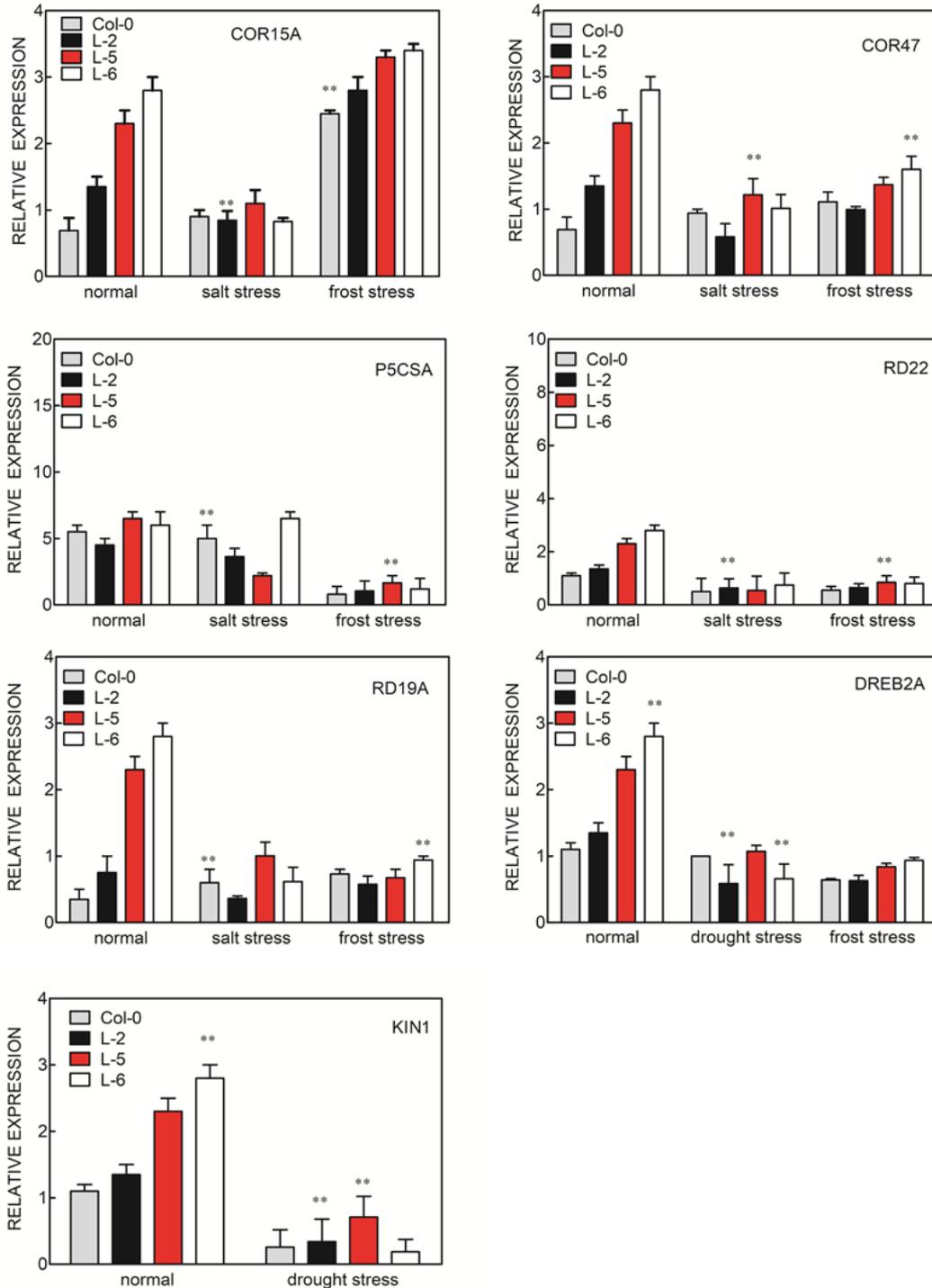


Fig. 3 Suppl. Expressions of some genes in wild-type and transgenic *Arabidopsis thaliana*. Col-0 - wild type; L2, L5, L6 - transgenic plants. Means \pm SDs, $n = 3$; ** and * indicate statistically significant differences compared to the control at $P < 0.01$ and $P < 0.05$, respectively.