

Table 1 Suppl. Primers used for recognition and expression of genes (F - forward, R - reverse).

Primers name	Primers sequence (5' to 3')
AF-F	5'-GATCTAGAATGATGAACTTCAGGGGCTATGGTGATA-3'
AF-R	5'- CGGGATCCCCATGGACCTGTAACCGTCCTT-3'
C1-F	5'- GATCTAGAATGGGTGATTCCAACAACCTGAATGGGA-3'
C1-R	5'- CGGGATCCCCATGGACCTGTAACCGTCCTT-3'
C2-F	5'-GATCTAGAATGCCTCAAACACAAGGGCAACCAGCAT-3'
C2-R	5'- CGGGATCCCCATGGACCTGTAACCGTCCTT-3'
C3-F	5'- GATCTAGAATGCCTCAACAAGCTCAACAAATGGCAA-3'
C3-R	5'- CGGGATCCCCATGGACCTGTAACCGTCCTT-3'
C4-F	5'-GATCTAGAATGAGAAAATGTCACCGGACATGATT-3'
C4-R	5'- CGGGATCCCCATGGACCTGTAACCGTCCTT-3'
AhAREB1-F	5'-TCTAGAATGAACTTCAGGGGCTATGGTGATA-3'
AhAREB1-R	5'-CCCGGGATCCATGGACCTGTAAC-3'
A4-F	5'-TCTAGAATGGGTGATTCCAACAACCTGAATGGGA -3'
A4-R	5'-CCCGGGATCCATGGACCTGTAAC-3'
A5-C1-F	5'-ATGAACTTCAGGGGCTATGGTGATA-3'
A5-C1-R	5'- ATCACTGGCGCTGGCATTTATACT-3'
A5-C(3+4)-F	5'-CCTCAAACACAAGGGCAACCAGCAT-3'
A5-C(3+4)-R	5'- CTACCATGGACCTGTAACCGTCCTT-3'
A6-C(1+2)-F	5'-ATGAACTTCAGGGGCTATGGTGATA-3'
A6-C(1+2)-R	5'- CACAGATGAAACCCCATGCTA-3'
A6-C4-F	5'- CCTCAACAAGCTCAACAAATGGCAA-3'
A6-C4-R	5'- CTACCATGGACCTGTAACCGTCCTT-3'
A5-F	5'-TCTAGAATGAACTTCAGGGGCTATGGTGATA-3'
A5- R	5'-CCCGGGATCCATGGACCTGTAAC-3'
A6- F	5'-TCTAGAATGAACTTCAGGGGCTATGGTGATA-3'
A6- R	5'- CCCGGGATCCATGGACCTGTAAC-3'
GFP-F	5'-GCCCCGGGTAGTAAAGGAGAAGAACTTTTCACTGG-3'
GFP-R	5'-GGAGCTCTTATTTGTATAGTTCATCCATGCCATGTG-3'
18S-F	5'-TACGTCCCTGCCCTTTGTAC-3'
18S-R	5'-CCTACGGAAACCTTGTACGAC-3'
AhAREB1-RT-F	5'-ATGAACTTCAGGGGCTATGGTGATA-3'
AhAREB1-RT-R	5'-CTACCATGGACCTGTAACCGTCCTT-3'
AhAREB1-QF	5'-ACAAGGGCAACCAGCATTAGG-3'
AhAREB1-QR	5'-TCACCACCACCATACCAACCA-3
AhNCED1-QF	5'-TTACCTGTGGGATTGTTTGC-3'
AhNCED1-QR	5'-ACATGAGCCTCTACTTCTGC-3'
ACTIN-QF	5'- GATTGGAATGGAAGCTGCTG-3'
ACTIN-QR	5'-CGGTCAGCAATACCAGGGAA-3'
pN1-F	5'-CAACAAACAAACCAAAATGC-3'
pN1-R	5'-TAGGAGGGGTGTGAAGAAGA-3'
pN2-F	5'-TAATAAAGCAAAAGAACTCAATTTA-3'
pN2-R	5'-TGAGAAAGTTGAGGGATGAGGGGAG-3'
pN3-F	5'-CCTTTCCTTTCTCTTGTATTTCCTA-3'
pN3-R	5'-TGATACACTGCCACGAACACTCTAC-3'
pN4-F	5'-TCTTGATCACTTATTGGCAATCCAAC-3'
pN4-R	5'-TTGATTGAAGAATAGTAATGGGTGGT-3'
pN5-F	5'-ACTCACAAACCACCTCTC-3'
pN5-R	5'-GCAAGTAAGTAGCAGGGG-3'
60S-F	5'-ACAGTTGGTCCTCACTTCAC-3'
60S-R	5'-GCTCATTATGTAAGCTTCCCT -3'

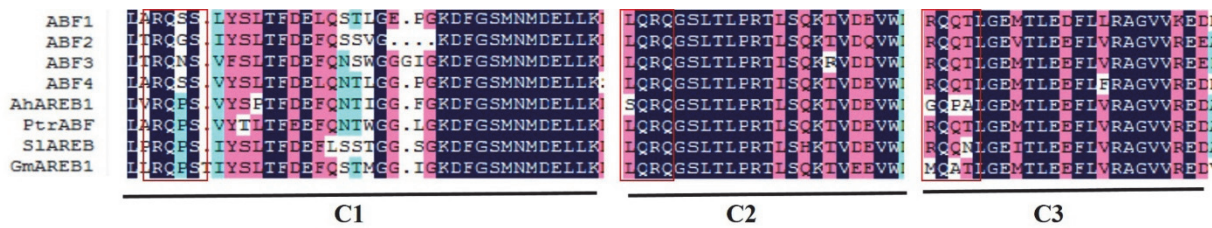


Fig. 1 Suppl. The alignment of the N-terminal conserved domain sequence between *Arabidopsis thaliana* ABA-responsive element binding protein (AhAREB1) and other AREB proteins.

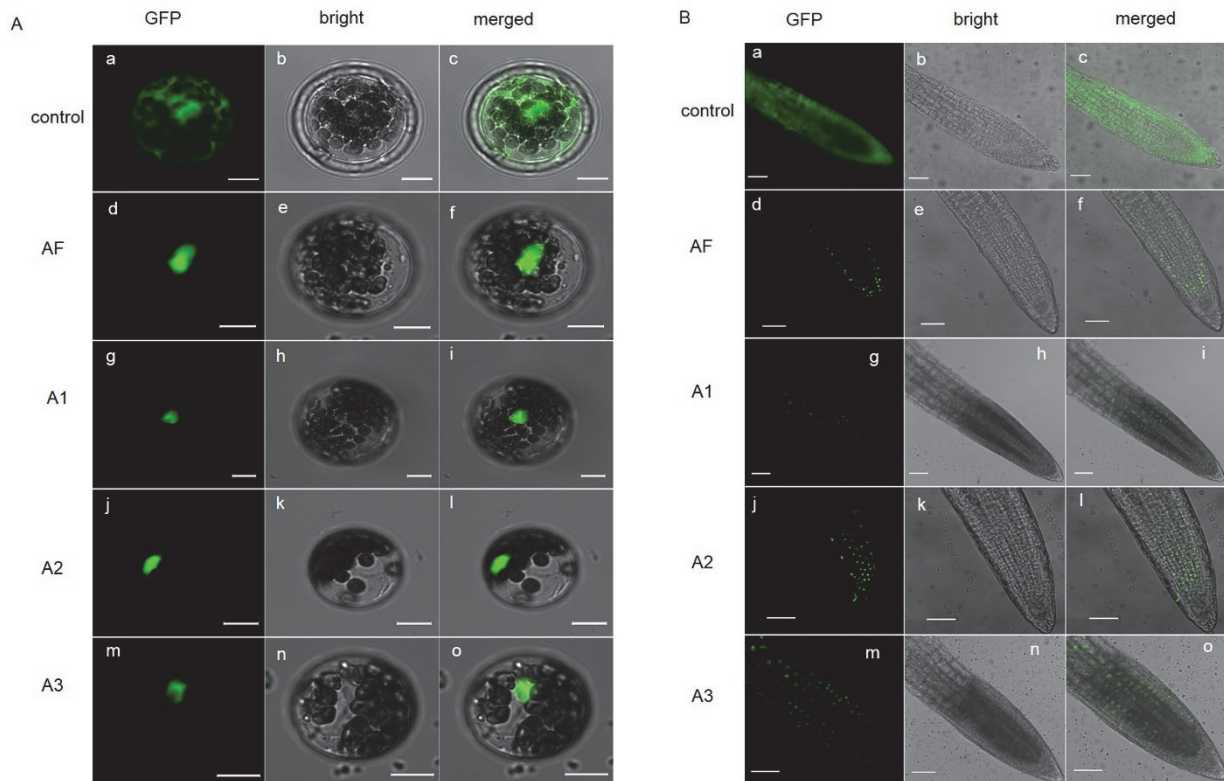


Fig. 2 Suppl. Subcellular localization of the series *Arabidopsis thaliana* ABA-responsive element binding protein-green fluorescent protein (AhAREB1-GFP) fusion proteins observed under a confocal microscope. *A* - Subcellular localization in mesophyll protoplasts of *A. thaliana*, bars = 10 μ m: control - *p35S::GFP*, AF - *p35S::AF-GFP*, A1 - *p35S::A1-GFP*, A2 - *p35S::A2-GFP*, A3 - *p35S::A3-GFP*. *B* - Subcellular localization in the root elongation zone of the same *A. thaliana* transgenic lines, bars = 50 μ m: control - *p35S::GFP/AhNCED1p::GUS*, AF - *p35S::AF-GFP/AhNCED1p::GUS*, A1 - *p35S::A1-GFP/AhNCED1p::GUS*, A2 - *p35S::A2-GFP/AhNCED1p::GUS*, A3 - *p35S::A3-GFP/AhNCED1p::GUS*.