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Functional Plant Biology

Supplementary Material

BrRD20 **improves abiotic stress resistance in chrysanthemum**

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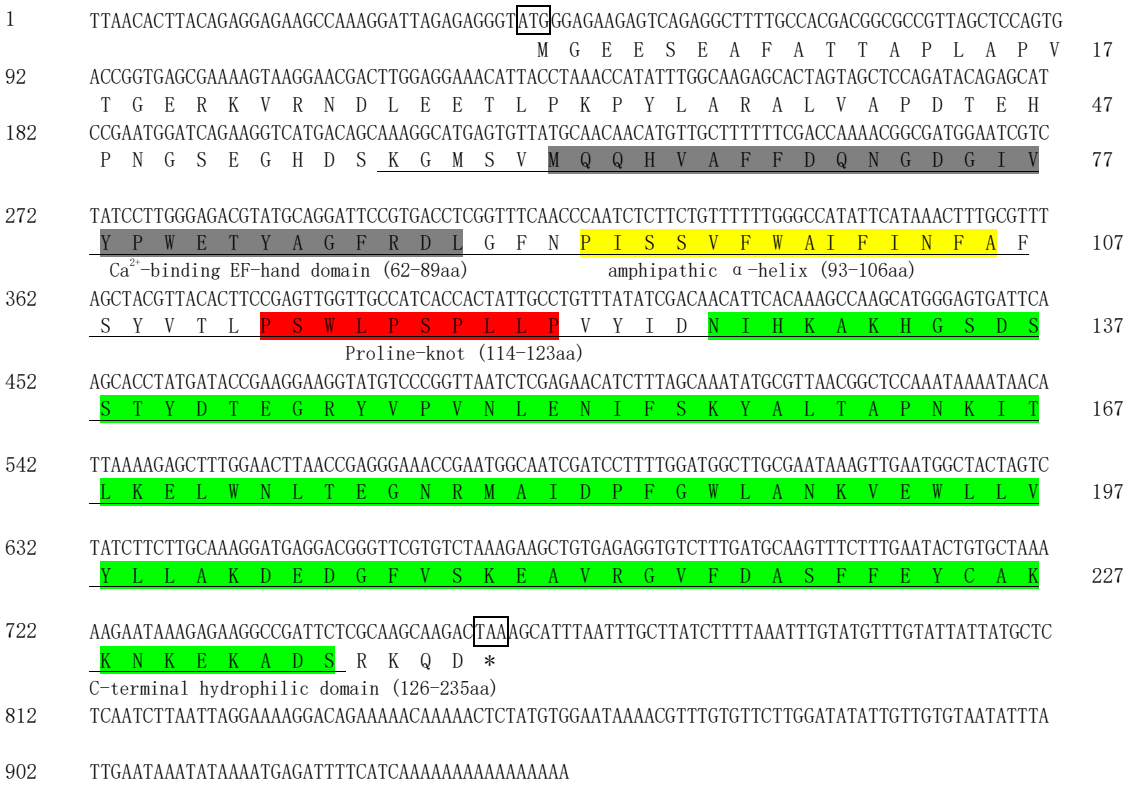

Fig. S1, Supplementary data

DNA sequences of *BrRD20*. Start and stop codons are boxed. Caleosin superfamily domain is underlined. The gray shade is Ca^{2+}-binding EF-hand domain, the yellow shade is amphipathic α-helix, the red shade is Proline-knot, and the green shade is C-terminal hydrophilic domain (Hu et al., 2013).

Table S1a. Supplementary data

Primers used for sequencing and cDNA cloning

Primer name	Nucleotide sequence 5' to 3'
BrRD20-F	5’-ATGGGAGAAGAGTCAGAG-3’
BrRD20-R	5’-GATAAGCAAATTAAATGC-3’
Oligo$(dT)_{17}$ adapter primer	5’-GACTCGAGTGCACATCG$(T)_{17}$-3’
adapter primer	5’-GACTCGAGTGCACATCG-3’

Oligo$(dT)_{16}$ anchor primer	5’-GACCACGCGTATCGATGTCGAC$(T)_{16}$M-3’
anchor primer	5’-GACCACGCGTATCGATGTCGAC-3’
5’RACE-BrRD20-F	5’-TCGATATAAACAGGCAATA-3’
3’RACE-BrRD20-F	5’-AAAACGGCGATCCAATCGT-3’

Notes: Underlines for the degenerate bases used in the primers represent M = A or C. Other abbreviations: F = forward primer; R = reverse primer.

Table S1b. Supplementary data

Primers used for quantitative real-time PCR

Primer name	Nucleotide sequence 5' to 3'
BrRD20-F	5’-CGATCCTTG GAGACACCATT -3’
BrRD20-R	5’-ACCTCCACCTCTTCCCAAGT -3’
BrRD20-F(transgenic lines)	5’-GCATGGATAACGCTATCA-3’
BrRD20-R(transgenic lines)	5’-AAGCCAAGAATATTAAAA-3’
BrACTIN-F	5’-GCTCAGTCCAAGAGAGGTATTC-3’
BrACTIN-R	5’-GCTCGTTGTAGAAAGTGTGATC-3’
CmACTIN-F	5’-GATGACGCAGATCATGTTCG-3’
CmACTIN-R	5’-AGCATGTGGAAGTGCATACC-3’