

IDENTIFICATION

Species: *Brachypodium distachyon*

Locus: Bradi2g10320

Gene Model: Bradi2g10320.1.p

Description: BdEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Bdistachyon_v3_1

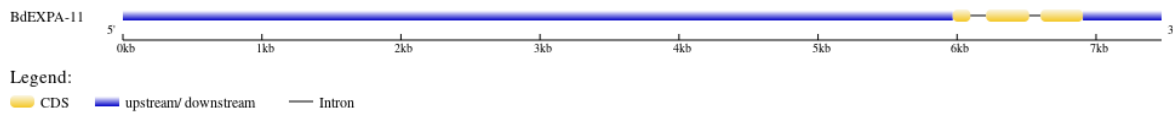
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

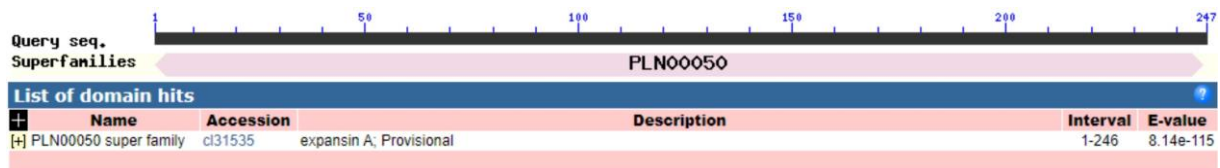
<https://brachypodium.org/>

https://archive.gramene.org/species/brachypodium/brachypodium_intro.html

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-11

MEFLGLLALSVAAMLGVVAGNDSTWSSGRATFYGGTDASGTMGGACGYGNMFSA
GYGTNTAALSTALFNNGQSCGACFEIRCAGGGSCLSGSVVVTATNLCPPNYGLPNND
GGWCNPPQSHFDMAQPVFTQIAQFRAGVVPVQYRRVACVKQGGIRFTVTGHSYFNL
VLIANVAGAGDLKAVVWKSPKTGWLPMShNWGANWQNGAMLDGQPLSFRVTTSD
DRTITSTNVAPAGWSFGQTYSGGQF*

CDS (coding sequence)

>BdEXPA-11

ATGGAGTTTCTAGGCTTGCTAGCTCTTTCTGTTGCCGCCATGCTTGGAGTTGTCGC
CGGCAACGACTCAACCTGGAGCAGTGGCCGCGCCACGTTCTATGGCGGCACCGA
CGCCTCTGGGACAATGGGAGGAGCGTGTGGGTACGGCAACATGTTCAAGCGCAGG
GTACGGGACGAACACGGCAGCACTGAGCACAGCGTTGTTCAACAACGGGCAAAG
CTGCGGTGCATGCTTCGAGATCCGCTGTGCCGGTGGGGGCAGCTGCCTATCGGGC
TCCGTGGTTCGTAACGGCCACCAACCTCTGCCCGCCAACTACGGGCTCCCCAACA
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TCAACCTGGTGCTCATAGCCAATGTTGCCGGTGGCGGTGACCTGAAGGCAGTGTG
GGTGAAGTCTCCAAGACAGGGTGGCTGCCCATGAGCCACAACCTGGGGTGCCAA
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AGCGACGACCGGACCATCACCTCGACCAATGTGGCGCCTGCCGGCTGGAGCTTCG
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Nucleotide

>BdEXPA-11

ACATCATGATTTTGGAGGAAGCATTCCATTCATGGTAAAGATTGTGAAATCTGTT
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