

IDENTIFICATION

Species: *Brachypodium distachyon*

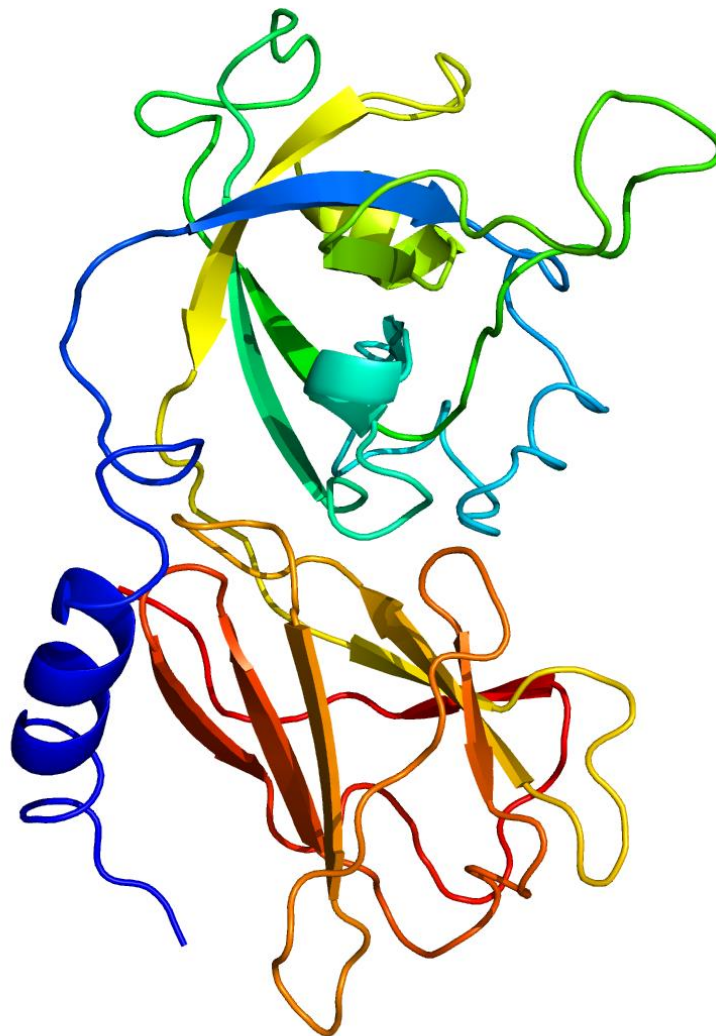
Locus: Bradi3g09990

Gene Model: Bradi3g09990.1.p

Description: BdEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

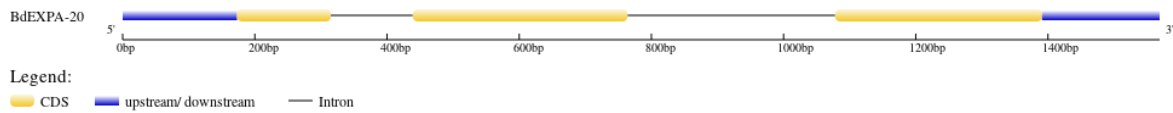
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

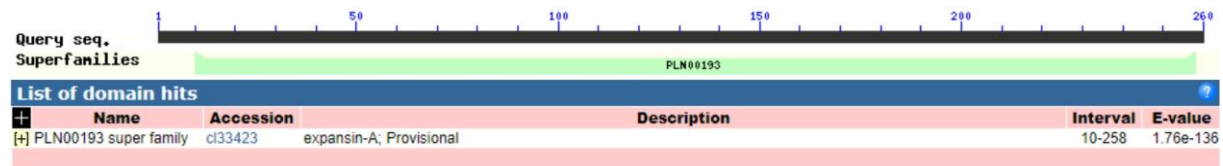
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-20

MAPARVIEVVFLTVVGCALAVNADNAPVEWQKAHATFYGGADASGTMGGACGYG
NLYTTGYGTRTAALSTVLFNDGQACGQCYKIACDSKSTESMWCKPGATVTVTATNL
CPPNHALPNDNGGWCNPPRPHFDMAQPAWEKIGVYKGGIIPVMYQRVPCVKQGGV
RFTINGHDYFNLVLTNVA AIGSIKSM DVKSSDAANWMSMPHNWGANWHS LANLT
GKMLSFRLTNTDGT L VFNNIVPNGWKFGQTFTSKLQFN*

CDS (coding sequence)

>BdEXPA-20

ATGGCTCCAGCTCGAGTTATTGAGGTGGTTTTCTGACGGTCGTCGGCTGTGCATT
GGCCGTAAACGCAGACAACGCGCCGGTTGAATGGCAGAAGGCCGCATGCGACGTT
CTACGGCGGGCGCTGATGCGTCCGGCACCATGGGTGGCGCGTGCGGGTACGGCAA
CTTGTACACGACGGGGTATGGGACGCGGACCGCGGCGTTGAGCACGGTGCTGTT
AACGACGGCCAGGCATGCGGGCAGTGCTATAAGATCGCCTGCGACAGCAAATCA
ACGGAATCGATGTGGTGCAAACCTGGTGCAACGGTGACTGTTACGGCTACAAACC
TCTGCCCCGCCAACCACGCCCTTCCGAACGATAATGGTGGCTGGTGCAATCCGCC
GAGGCCGCACTTCGACATGGCGCAACCGGCTTGGGAGAAGATCGGCGTCTACAA
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CAACAACATTGTGCCAAATGGGTGGAAATTTGGACAAACATTTACGAGCAAGTTG
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Nucleotide

>BdEXPA-20

ACAGCAAGCAGAAGACATATCCAGTTATCTTCACACTCCACAAACACCAGCTTTT
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CAGCCCCTTTTATGTATTTAATTTGT