

IDENTIFICATION

Species: *Brachypodium distachyon*

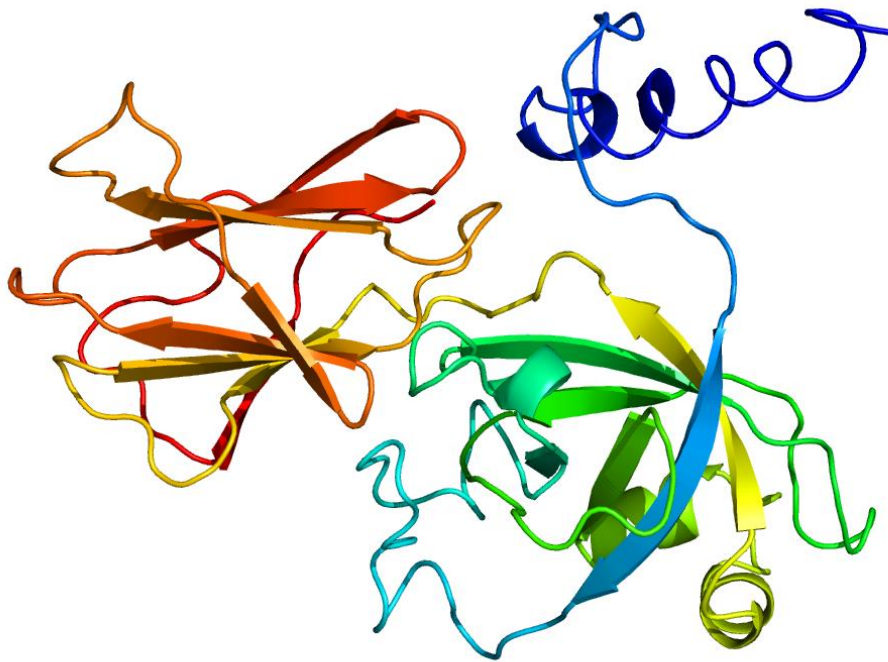
Locus: Bradi3g33130

Gene Model: Bradi3g33130.1.p

Description: BdEXPB-10

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

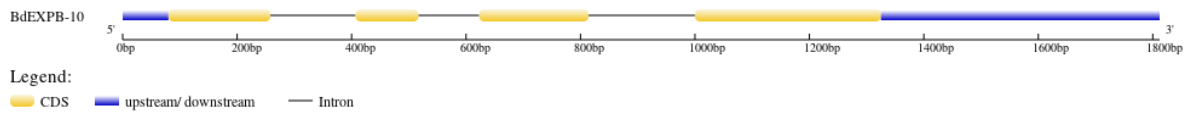
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

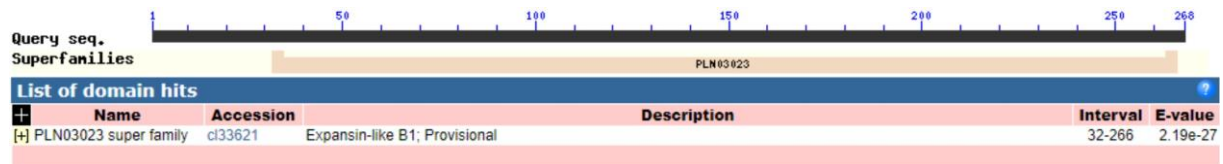
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-10

MAGVFTGALVAILFSMLVNRSAANYYGAAQASPARSYSSAWLPAKATWYGAPTGAG
PANGGGACAYSNNNLYPILSMNACGNQPLFMDGAGCGTCYEIKCDYKNNRACSGQP
KRVTITDMNYNNIAQYYFDLSGTAFGAMAKYGQENLRRAGILDIQFRRVPCNYQG
MNINFRVERGSNNNYLAVLVQHANKDGNVVQVDLKDSGSYGSWTPMKRSWGAIW
RMDTGRPLKAPFSFRMRSEFGATKVAYQVIPVNWKGGNNYWSNVQY*

CDS (coding sequence)

>BdEXPB-10

ATGGCTGGGGTCTTCACCGGCGCCCTTGTGGCAATCCTCTTCTCCATGCTTGTCAA
CCGTTCCGGCGGCCAATTACTACGGCGCCCAGGCCCTCCCCCGCTAGATCCTACAGC
TCTGCCTGGCTCCCCGAAAGGCCACCTGGTACGGCGCCCCTACCGGCGCCGGCC
CCGCAAACGGCGGTGGTGCATGCGCCTACTCGAACAATAATCTGTACCCGATTTT
GTCGATGAACGCATGCGGCAACCAGCCCCTGTTCATGGACGGCGCTGGCTGCGGC
ACCTGCTACGAGATAAAATGCGACTACAAGAACAACCGTGCCTGCTCCGGCCAG
CCCAAGAGGGTGACGATCACTGACATGAACTACAACAACATCGCCAGTACTACT
TTGACCTCAGCGGCACGGCGTTCGGCGCCATGGCAAAGTACGGCCAGAACGAAA
ACCTCCGCCGCGCCGGCATCCTCGACATCCAGTTCAGGAGGGTGCCTTGAATTA
CCAGGGGATGAACATCAACTTCCGGGTGGAGCGTGGCTCGAACAATAACTACCT
GGCGGTGCTCGTCCAGCACGCGAACAAGGACGGGAACGTGGTGCAGGTGGACCT
CAAGGACTCCGGGTTCGTATGGCTCCTGGACGCCGATGAAGCGGTTCGTGGGGTGC
ATCTGGAGGATGGACACAGGGCGCCCGCTGAAGGCCCTTCTCCTTCCGCATGC
GCAGCGAGTTCGGGGCCACGAAGGTGGCCTACCAGGTCATTCCGGTCAACTGGA
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Nucleotide

>BdEXPB-10

CAAAACACAGACAGGAGAAGTACTCCAGCAAGTACATAGCCTAAGGTTCGATCG
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CACGTTTCTGACATAAGTCAATTCATTACTTCTTCATCGCTGAAACCTGAAATATA
TGATCGAGTTGCCTGAAACAATCCGGAGACTCGTTCATGGAATTTTTGTCTCCTGT
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CATGCAGGGTGCCTTGCAATTACCAGGGGATGAACATCAACTTCCGGGTGGAGCG
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