

IDENTIFICATION

Species: *Brachypodium distachyon*

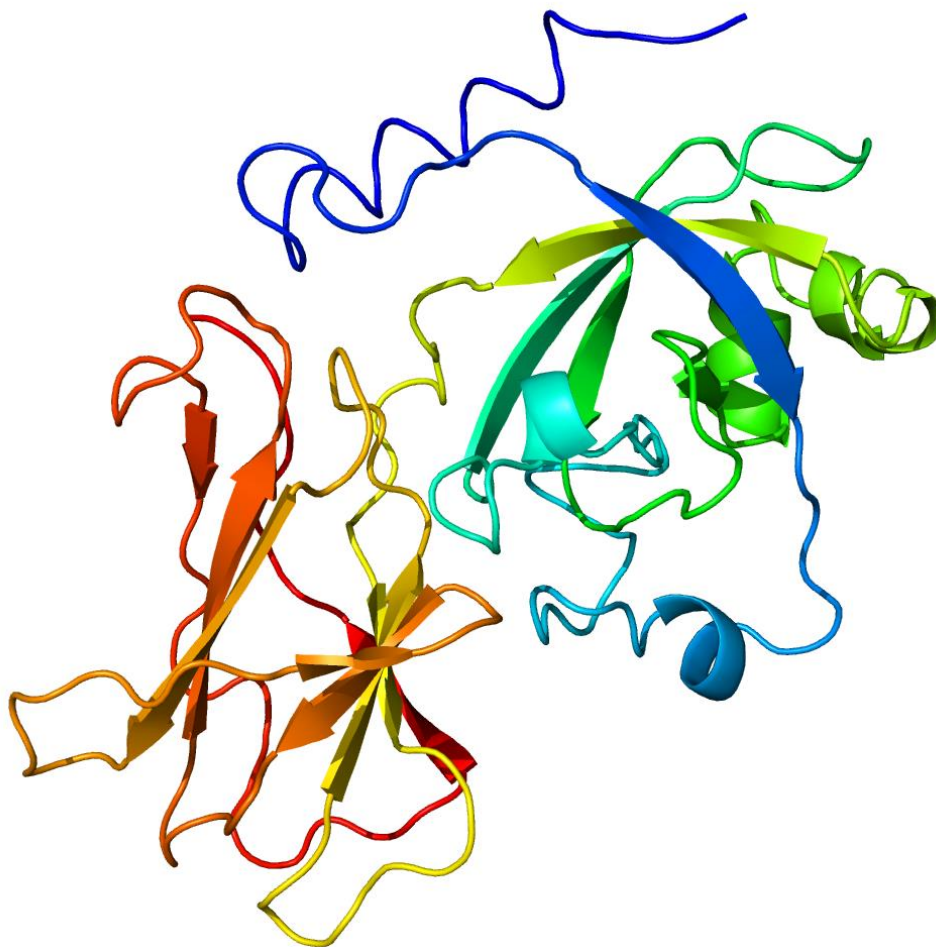
Locus: Bradi1g26990

Gene Model: Bradi1g26990.2.p

Description: BdEXLB-01

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

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

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

EXTERNAL RESOURCES

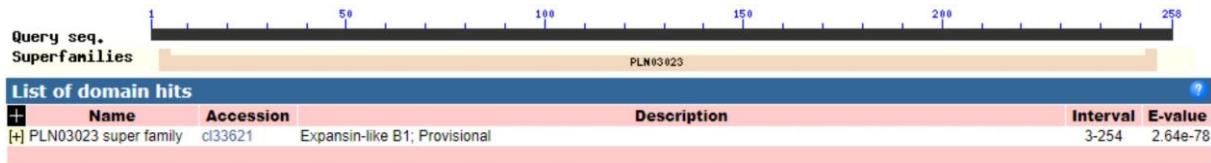
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXLB-01

MAFPLHYHLPALFSLLVFVSGVMADAEFTLSKASYYPNSDTKGTENGACEYGTFGAT
LNNGDVSASASLYRNGVGCACGYQVRCTDPYYCSPEGVTIVITDSGSSDGTDFILSQH
AFTGMGQSADAGAALLTLGYVGIEYRRVSCSYPNKNIVFKITESHFPYYIEFEIWIYQ
QGSQDIIAVQLCETVTLKQCQLLSRTHGAVWATVSPPTGPLYIRMLFSSGAPRVGDQK
WLAPTNTIPQNWTAGAIYDSGVQMQLH*

CDS (coding sequence)

>BdEXLB-01

ATGGCTTTTCCGCTTCATTATCATCTCCCGGCCTTGTTTTCTCTCTTAGTTTTGTCT
CTGGGGTTATGGCAGATGCAGAGTTCACCTTGTCCAAAGCATCATATTACCCCAA
TTCTGATACAAAAGGGACTGAAAATGGAGCATGTGAGTATGGCACATTTGGAGC
AACACTCAACAATGGTGATGTTTCTGCATCGGCAAGCCTCTACAGGAACGGGGTT
GGCTGTGGTGCATGTTATCAGGTGAGGTGCACAGATCCTTACTACTGCTCTCCAG
AGGGTGTGACAATCGTGATCACTGACTCGGGATCGAGCGACGGCACTGATTTTCAT
CCTCAGCCAGCACGCCTTCACAGGCATGGGACAGAGTGCAGATGCTGGTGCAGC
GCTGCTCACCTTGGCTATGTTGGAATTGAGTACAGGAGGGTTTCTTGTAGCTATC
CAAATAAGAACATTGTCTTCAAGATTACTGAGAGCAGCCATTTCCCTACTACAT
AGAATTTGAGATCTGGTACCAGCAAGGTAGCCAGGACATCATCGCAGTCCAGCTT
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TGGAGCTCCCCGTGTTGGTGACCAGAAATGGCTAGCTCCGACAAACACAATACCA
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Nucleotide

>BdEXLB-01

TCCATTCTCAAGGATATCCGCCTTCTCGCCTATGCTTCATGCTTTCTTCGCTAGTG
TCACCTAGGTTACCAACACCCATTCCAATCTATGTTAGGTGGTTACCACCATCCAC
CCAATCTAGGTTGCCCTCTAGACAGTGAACATGGTAACATGATGGTTCGGTCGCC
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GGCTGTGGTGCATGTTATCAGGTAATAATTCATCCGCGACTGTGCCAGTGCCAGT
ACGAACATCTTGTAATCAAGAAACATCGATTCAATTTTTGTTCCAGTAAGAATG
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CAAGGCTCGTGATAATTGATTATA