

IDENTIFICATION

Species: *Brachypodium distachyon*

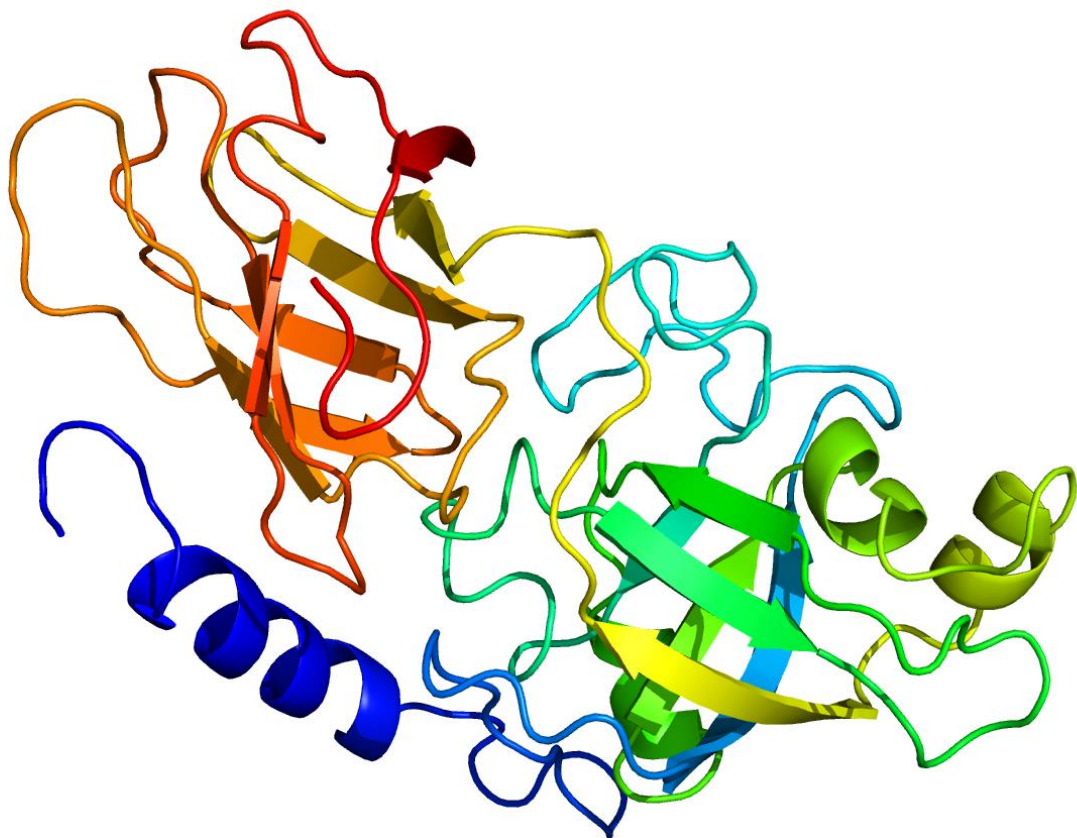
Locus: Bradi5g16497

Gene Model: Bradi5g16497.1.p

Description: BdEXPB-20

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

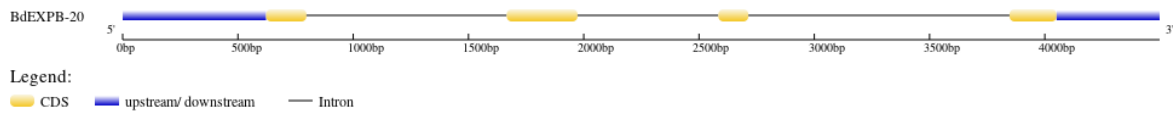
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

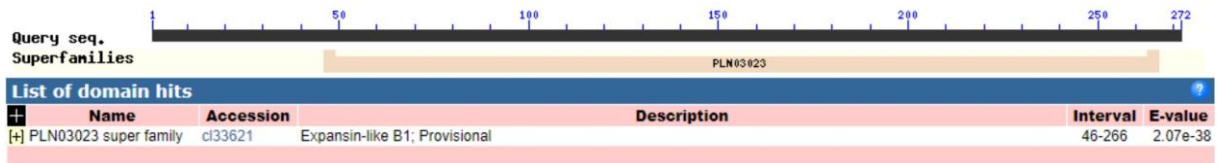
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-20

MASSAPFLLCILLLASTASAALLFDGGKSAAKGKAAVDTEWRPATATWYGDAEGDG
STGGACGYGTLVDVVPMKARVGSVSPVLFKGGEGCGACYKVKCLDHGICSRAVT
VIVTDECPGGLCGGGHTHFDLSGAAFSRMAVAGAGAHLRDRGQLSVVYRRTACKY
GGKNIAFHVNEGSTNFWLSLLVEFEDGEGDIGSMQLKQASSAQWLDMKHVWGATW
CMYGGPLAGPFSVRLTTLSAPKTLTARDVIPRNWAPRGTYTSRLNFEASL*

CDS (coding sequence)

>BdEXPB-20

ATGGCTTCCTCTGCCCCCTTCCTGCTCTGCATTCTGCTGCTCGCGTCCACGGCCTCT
GCCGCATTGCTGTTTCGACGGCGGAAATCGGCGGCGAAGGGCAAGGCGGCGGTC
GACACGGAGTGGCGGCCAGCCACCGCGACGTGGTACGGCGACGCCGAAGGCGAC
GGCAGCACCGGGGGCGCGTGCGGGTACGGGACGCTGGTGGACGTGGTGCCGATG
AAGGCGCGGGTGGGGTTCGGTGAGCCCGGTGCTGTTCAAGGGCGGCGAGGGCTGC
GGAGCCTGCTACAAGGTGAAGTGCCTCGACCACGGCATCTGCTCGCGCCGCGCCG
TCACGGTCATCGTCACCGACGAGTGCCCCGGCGGGCTCTGCGGCGGCGGCCACAC
CCACTTCGACCTCAGCGGCGCCGCCTTCAGCAGGATGGCCGTCGCCGGCGCCGGC
GCCACCTCCGCGACCGCGGCCAGCTCTCCGTGGTCTACAGACGGACTGCCTGCA
AGTACGGAGGGAAGAACATAGCCTTCCATGTGAACGAGGGCTCGACGAATTCT
GGCTCTCACTGCTCGTCGAGTTCGAGGACGGTGAGGGCGACATTGGATCCATGCA
GCTAAAGCAGGCGAGCTCGGCGCAGTGGCTGGACATGAAGCACGTGTGGGGCGC
CACGTGGTGCATGTACGGTGGCCCGCTCGCGGGGCCCTTCTCCGTGAGGCTGACC
ACGCTGTCCGCCCCGAAGACGCTCACGGCCCCGGGACGTCATCCCCAGGAAGTGG
GCCCCAGAGGAACCTACACGTCCCGCCTCAACTTCGAAGCCTCTCTGTGA

Nucleotide

>BdEXPB-20

ACCATCGGCAAAACTGTCTGCTTAACGAGAGAAAACAAAGACGATTCTTCTTACC
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AGTTAACCTCTTATTACTCGAAGCTACTAAACCGTTTGAGCAAATGTGCATGAAT
CAGTATTTAGCCATATACTGCCCTGTTGCAGGATTTCCACTAACCAGAGACA
GCAGCCAATGTGCATTTCTTTTTACTGTTTTTGAGATTGACAAATAGGATTGTTAA
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