

IDENTIFICATION

Species: *Brachypodium distachyon*

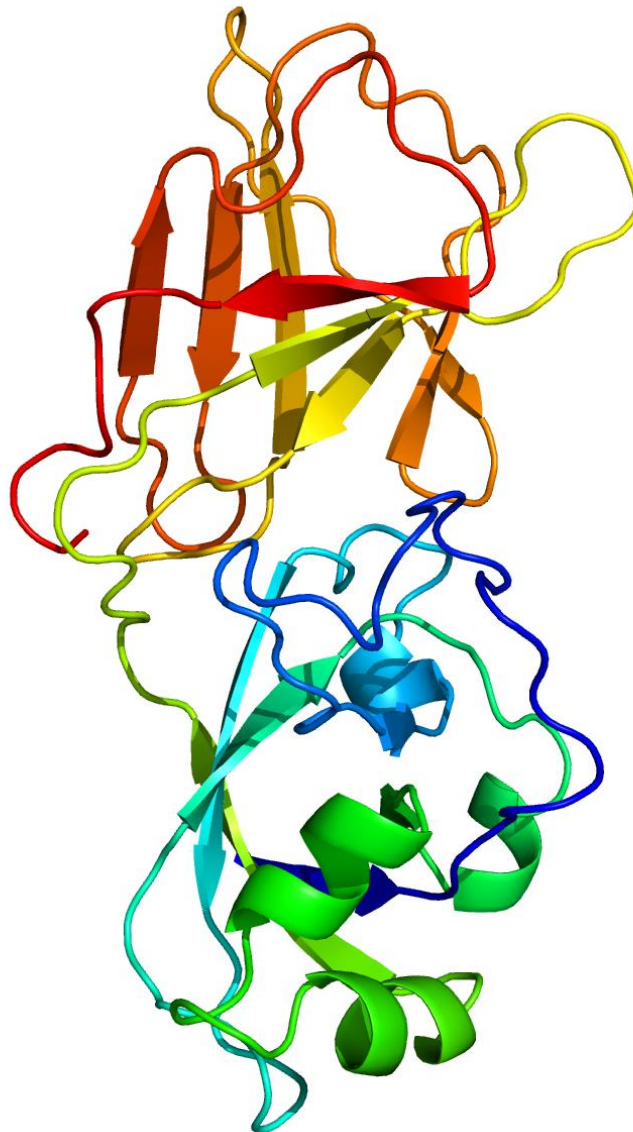
Locus: Bradi5g16497

Gene Model: Bradi5g16497.2.p

Description: BdEXPB-21

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

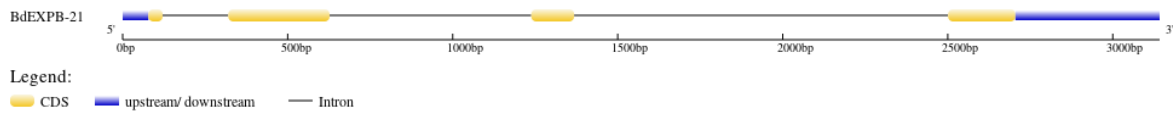
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

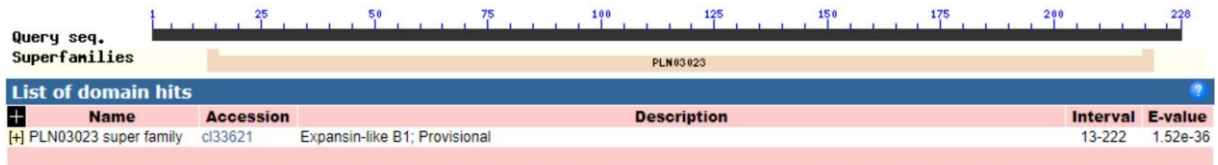
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-21

MPSLAPFTRSTDTPGGACGYGTLVDVVPMKARVGSVSPVLFKGGEGCGACYKVKCL
DHGICSRRAVTVIVTDECPGGLCGGGHTHFDLSGAAFSRMAVAGAGHLRDRGQLS
VVYRRTACKYGGKNIAFHVNEGSTNFWLSLLVEFEDGEEDIGSMQLKQASSAQWLD
MKHVWGATWCMYGGPLAGPFSVRLTTLSAPKTLTARDVIPRNWAPRGTYTSRLNFE
ASL*

CDS (coding sequence)

>BdEXPB-21

ATGCCATCTCTGGCTCCCTTCACACGCTCCACCGACACTCCTGGGGGCGCGTGCG
GGTACGGGACGCTGGTGGACGTGGTGCCGATGAAGGCGCGGGTGGGGTTCGGTGA
GCCCGGTGCTGTTCAAGGGCGGGCAGGGGCTGCGGAGCCTGCTACAAGGTGAAGT
GCCTCGACCACGGCATCTGCTCGCGCCGCGCCGTCACGGTCATCGTCACCGACGA
GTGCCCCGGCGGGCTCTGCGGGCGGGCCACACCACTTCGACCTCAGCGGGCGCC
GCCTTCAGCAGGATGGCCGTCGCCGGCGCCGGCGCCCACCTCCGCGACCGCGGGCC
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CCTTCCATGTGAACGAGGGCTCGACGAACTTCTGGCTCTCACTGCTCGTCGAGTTC
GAGGACGGTGAGGGCGACATTGGATCCATGCAGCTAAAGCAGGCGAGCTCGGCG
CAGTGGCTGGACATGAAGCACGTGTGGGGCGCCACGTGGTGCATGTACGGTGGC
CCGCTCGCGGGGCCCTTCTCCGTGAGGCTGACCACGCTGTCCGCCCCGAAGACGC
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Nucleotide

>BdEXPB-21

CCGTGTCAGGCCTTCCAATAACTCCATTGCTCTGCTCGGTACCAACAAATGCGGA
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