

IDENTIFICATION

Species: *Brachypodium distachyon*

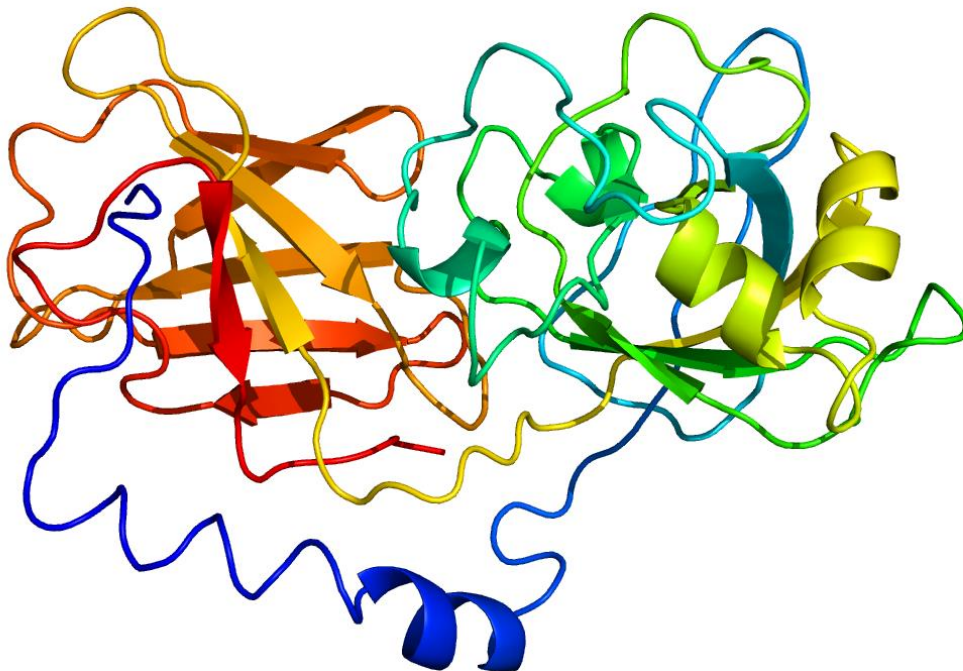
Locus: Bradi3g50740

Gene Model: Bradi3g50740.1.p

Description: BdEXPB-16

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

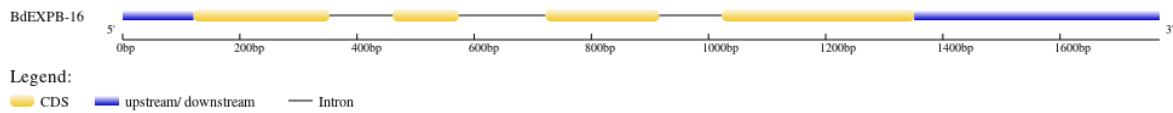
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

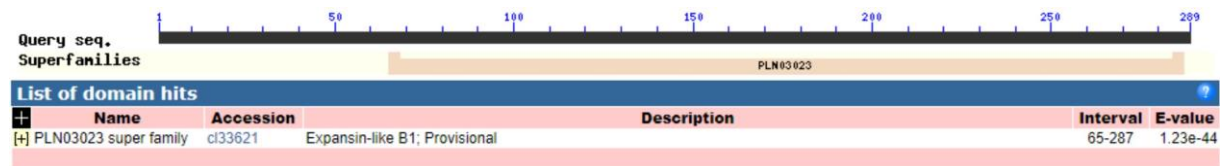
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-16

MAKSCTLALLGALVALSLLVSPACSRKLATKQASYKPAPAAKANKNQTTSAAYSS
GGWLAAGATYYGTPNGDGS DGGACGYQSAVGHPRPYSSMIAAGSTPLFLGGKGC
CYQVKCTANKACSGNPATVVITDLSPGGLYPGEPAHFDMSGTALGAMAKPGKADAL
RAGGVLRIQYKRVPCKYPGVNIAFRVDQGSNPFYFKALIEFQDGDGDLKRVALKQAG
SNQWTNMVQDWGALWRLNNGQRLRGPFSIKLTSDSNRVLVNNVIPANWKAGATY
RSLVNYPY*

CDS (coding sequence)

>BdEXPB-16

ATGGCGAAATCTTGCACCTTAGCACTTCTTGGCGCACTGGTGGCGCTCTCACTCCT
TGTGAGCCCCATTGCTTGCTCCCGCAAGCTCGCCACCAAGCAAGCCAGCTACAAG
CCTGCACCTGCAGCCAAGGCCAACAAAAACCAGACCACGTCTGCCGCCGCCTAC
AGCTCCGGCGGCTGGTTGGCCGCCGGCGCGACGTATTACGGCACACCCAACGGC
GACGGAAGCGACGGTGGCGCGTGTGGCTACCAAAGCGCTGTTCGGGCACCGGCCG
TACTCGTCGATGATCGCCGCCGGGAGCACGCCGCTCTTCTTGGGAGGCAAGGGCT
GCGGCGCGTGCTATCAGGTAAATGCACGGCCAACAAGGCGTGCTCCGGCAATCC
TGCCACCGTCGTCATCACCGACTTGAGCCCCGGCGGGCTCTACCCCGGCGAGCCG
GCCATTTCGACATGAGCGGCACGGCCTTGGGCGCCATGGCCAAGCCTGGCAAG
GCCGACGCACTCCGTGCCGGCGGTGTCCTCAGAATCCAGTACAAGAGGGTGCCAT
GCAAGTACCCTGGCGTGAACATCGCCTTCAGGGTGGACCAGGGCTCGAACCCTGTT
CTACTTCAAGGCCCTGATCGAGTTCAGGACGGCGACGGCGACCTGAAGCGCGTC
GCCCTCAAGCAGGCCGGCAGCAACCAGTGGACGAACATGGTGCAGGACTGGGGC
GCGTTGTGGCGCCTCAACAACGGCCAGCGGCTGCGCGGGCCATTCTCGATCAAGC
TCACCTCCGACTCCAACAGGGTCTCGTCGTCAACAACGTCATCCCGGCCAACTG
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Nucleotide

>BdEXPB-16

ATCCACCCAAACGAGCATTTCAGCTAAGCTAGGCTAAGCTTATCTAGCTTAGCCT
CTGAATCCCGAACCACCAGCGCTTAGCTAGCTAGTAGAAGAAGAAGCAACAAGC

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CACCCAACGGCGACGGAAGCGACGGTTAGTGCTAGCTTTGCTTAATTTGCTTTTA
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CATGAGCGGCACGGCCTTGGGCGCCATGGCCAAGCCTGGCAAGGCCGACGCACT
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