

IDENTIFICATION

Species: *Brachypodium distachyon*

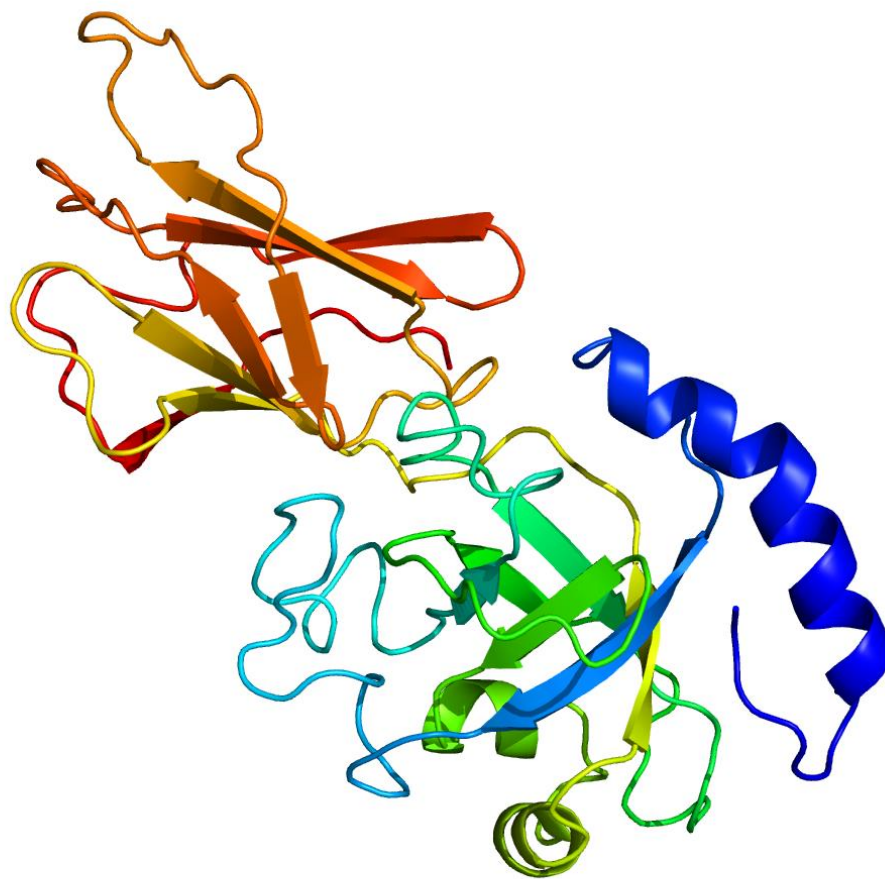
Locus: Bradi3g33140

Gene Model: Bradi3g33140.1.p

Description: BdEXPB-11

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

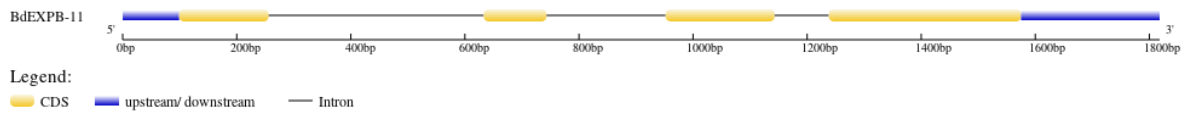
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

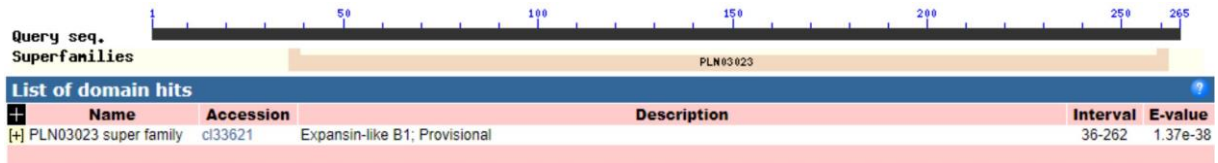
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-11

MAGFPGNNGVALVALVTALLTCGSCASAGSSGWQAAKATWYGAPTGAGPDDNGG
ACGFKNVNQYPFSSMISCGNEPLFKDGS GCGACYEIRCTKVNNPACSGKAKKIMITD
MNYYPVAKYHFDLSGTAFGAMANPGQNDQLRHAGIIDMQFRRVPCKNRGLNVNFR
VQHGSNPNYLA VLVEYANVDGTVVQMDLRESRRGHPSGPWRPMMRRSWGSIWRLDT
YRPLQGPFSLRIRSESGQTLTAKQVIPANWKPD TDYRSRVQFR*

CDS (coding sequence)

>BdEXPB-11

ATGGCTGGGTTCCCTGGCAACAATGGCGTTGCGCTTGTTGCACTCGTCACCGCGC
TTCTCACGTGTGGCTCTTGCGCCTCTGCAGGCTCCTCCGGCTGGCAAGCCGCCAA
GGCCACCTGGTACGGCGCTCCTACGGGTGCCGGTCCCGACGACAACGGTGGTGCT
TGCGGCTTCAAGAATGTGAACCAGTACCCGTTTTTCGTCCATGATCTCGTGCGGCA
ACGAGCCCCTGTTCAAGGACGGCAGCGGCTGCGGCGCTTGCTACGAGATACGGT
GCACCAAAGTCAACAACCCTGCCTGCTCCGGCAAGGCGAAGAAGATCATGATCA
CCGACATGAACTACTACCCCGTCGCGAAATACCACTTCGACCTAAGCGGCACGGC
GTTCGGCGCCATGGCCAATCCCGGCCAGAACGACCAGCTCCGCCACGCCGGC
ATCGACATGCAGTTCAGGAGGGTGCCATGCAAGAACCGGGGCTTGAACGTGAAC
TTCCGCGTGCAACACGGGTGCAACCCGAACTACCTGGCCGTGCTCGTGGAGTACG
CGAACGTGGACGGGACGGTGGTGCAGATGGACCTCAGGGAGTCCAGGCGCGGGC
ACCCGAGCGGCCCATGGAGGCCCATGCGCCGCTCCTGGGGATCCATCTGGAGGCT
GGACACCTACCGCCCGCTGCAGGGACCCTTCTCCCTCCGCATCCGCAGCGAGTCC
GGCCAGACGCTGACGGCCAAGCAGGTCATCCCGGCCAACTGGAAGCCCGACACC
GACTACCGGTCCAGAGTCCAGTTCGGTTGA

Nucleotide

>BdEXPB-11

TCGAAACGGCAGACCACATCTGCGTTGCTATAGCGCCAACCACCGGCTAGCTAGC
TAGATATACTAGCGCAAGAGCTGATCGAATTGCAAGTGCAAAAGATGGCTGGGT
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ATTTTTTTTTCAGATACGGTGCACCAAAGTCAACAACCCTGCCTGCTCCGGCAAGG
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