

IDENTIFICATION

Species: *Brachypodium distachyon*

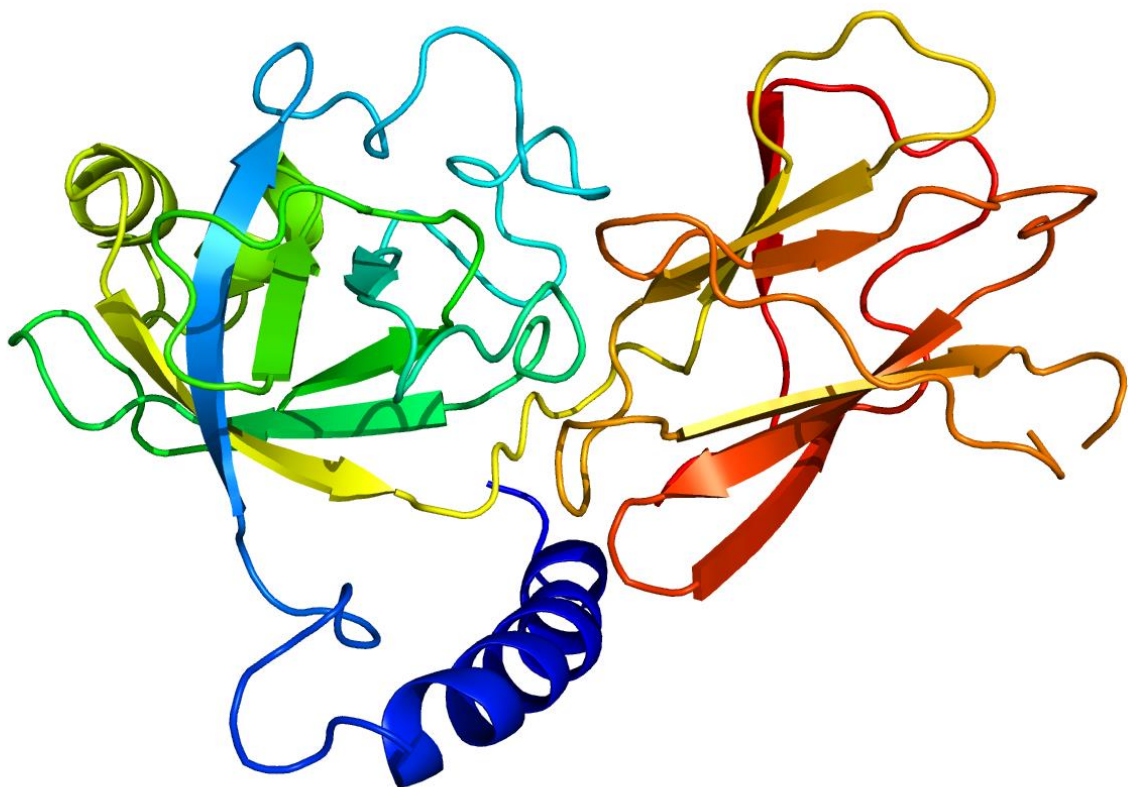
Locus: Bradi5g17760

Gene Model: Bradi5g17760.1.p

Description: BdEXPB-22

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

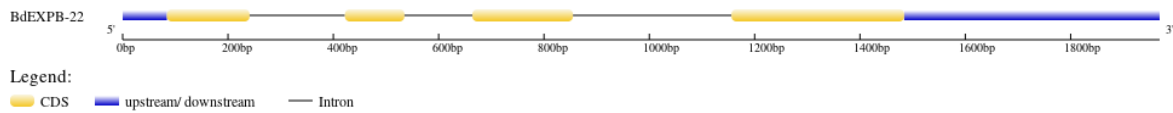
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

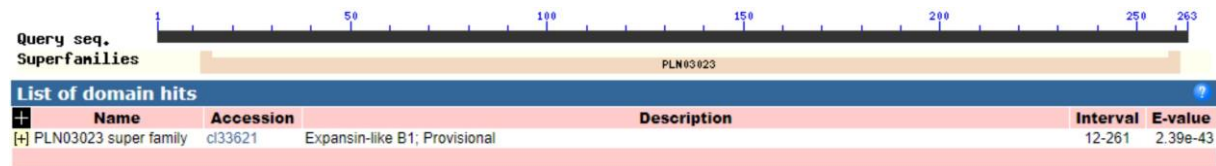
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-22

MVSGFQILSIAIAVLASLLCPCASSIEFHRKLSSWSSAGATWYGAANGAGSDGGACGY
KGAVDQAPFSSMIAAGGPSIYGSGLGCGSCYQVKCSGNDACSGSVVTVVITDECAGG
PCLNEPHFDLSGTAFGAMAKPGQADQLRGAGVLQIQYTRVPCSWAGAELTFVVDAG
SNPHYFAVLVQYQNGDGDLSGVELMQGGAGGAAWTPMQHSWGAVWKL DAGSAL
QAPLSLRLTSSSGKLVASNVIPVGWKAGAA YQSAVNY*

CDS (coding sequence)

>BdEXPB-22

ATGGTTTCCGGGTTCCAGATCTTGTCCATTGCCATCGCGGTTCTCGCCTCGCTCCT
TTGCCCTTGC GCGTCCATCGAGTTCCACCGCAA ACTCTCCAGTTGGTCGAGCG
CCGGCGCTACATGGTACGGCGCCGCTAATGGCGCCGGAAGTGATGGTGGTGCGT
GTGGGTACAAGGGTGCCGTCGACCAGGCACCGTTCTCGTCCATGATCGCCGCCGG
TGGCCCTTCAATCTACGGCTCTGGCCTGGGCTGTGGCTCTTGCTACCAGGTGAAGT
GCAGTGGCAATGACGCCTGCTCGGGCAGCGTGGTGACTGTGGTGATCACGGACG
AGTGTGCCGGCGGCCCTTGCTTGAATGAGCCGCACTTCGATCTGAGCGGGACGGC
GTTCGGTGCCATGGCGAAGCCCGGGCAGGCCGACCAGCTCCGCGGGCGCCGGCGT
GCTCCAAATCCAGTACACCCGCGTGCCGTGCAGCTGGGCCGGAGCGGAGCTGAC
ATTCGTGGTGGACGCCGGCTCGAACCCGCACTACTTCGCCGTGCTCGTCCAGTAC
CAGAACGGCGACGGCGACCTCTCGGGCGTCGAGCTCATGCAGGGCGGGCGCCGGC
GGGGCGGCGTGGACGCCGATGCAGCACTCGTGGGGTGCCGTCTGGAAGCTCGAC
GCCGGGTCGGCACTGCAGGCGCCGCTCTCCCTCCGCTGACCTCCAGCTCCGGGA
AGAAGCTCGTCGCCAGCAACGTCATCCCCGTTGGGTGGAAGGCCGGCGCCGCGT
ACCAGTCCGCGGTTAACTACTAA

Nucleotide

>BdEXPB-22

CACACAATTCCTCATCTACTTGTCTTCTCCAAATCCCTGCAAACCCACAATCTCGT
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