

IDENTIFICATION

Species: *Brachypodium distachyon*

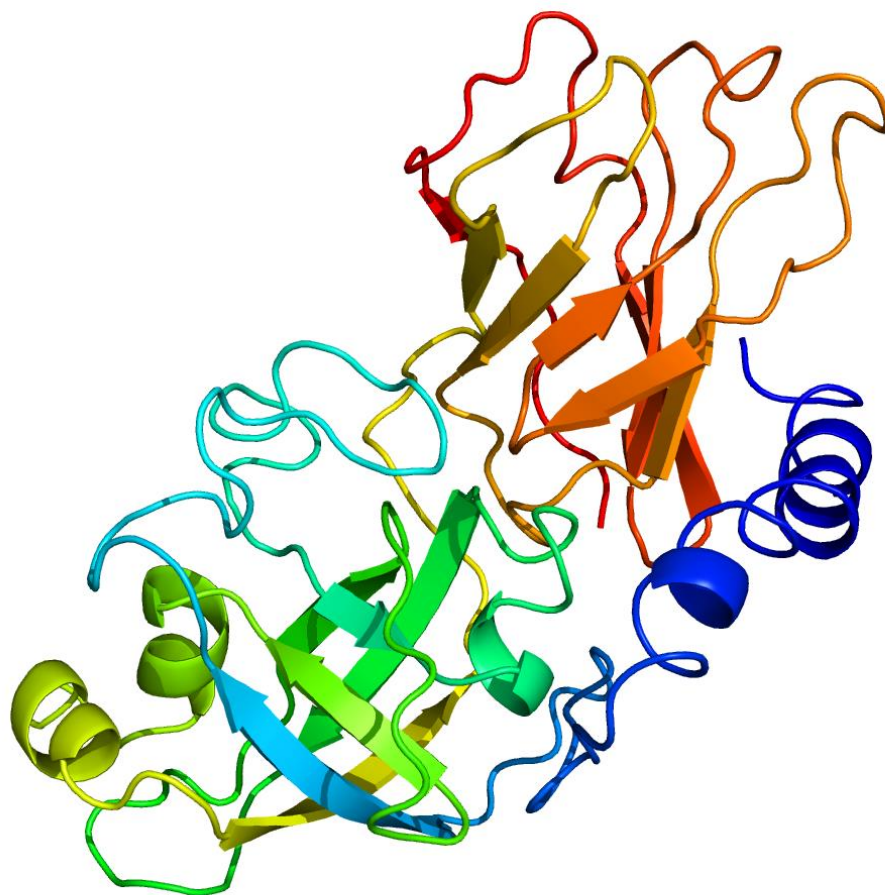
Locus: Bradi3g33150

Gene Model: Bradi3g33150.1.p

Description: BdEXPB-12

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

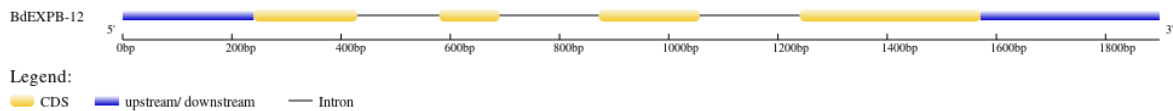
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

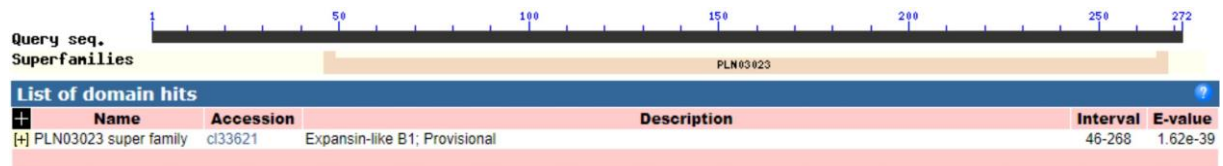
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-12

MAALSSKAVALVALVALASLLVTVYAAGPPVSYNASAFADPNWENARATWYGGAP
TGAGPDDDGGACGFKNVNQYPFSAAMTSCGNEPLFKDGKGCYQIRCINDQSCSGS
PETVVITDMNYYPVSKYHFDLSGTAFGALAKPGLNDKLRHSGIIDIQFKRVPCNFPGL
KVTFHVEQGSNPVYFAVLVEYEDGDGDVQVDLMEANS GGAWTPMRESWGSIWRL
DSGHRQLQAPFLRITNESGKTLVADKVIPANWAPSAVYRSFVQYSG*

CDS (coding sequence)

>BdEXPB-12

ATGGCAGCTCTTTCCTCCAAGGCCGTTGCACTCGTCGCACTCGTCGCACTCGCCTC
CCTCCTTGTACCTATGTCGCGCCGCGGCCCGCCTGTGAGTTACAATGCTTCCGCCT
TCACCGCCGATCCCAACTGGGAGAACGCAAGGGCCACCTGGTATGGCGCGCCCA
CCGGCGCCGGCCCTGACGACGACGGTGGTGCCTGTGGGTTCAAGAACGTGAACC
AGTACCCGTTCTCGGCCATGACCTCGTGC GGCAACGAGCCCCTGTTCAAAGACGG
CAAGGGCTGCGGCTCCTGCTACCAGATAAGATGCATCAACGACCAATCCTGTTCC
GGCAGCCCGGAGACTGTGGTCATCACCGACATGAACTACTACCCGGTGTCTAAGT
ACCACTTCGACCTCAGCGGCACGGCGTTCGGCGCCTTGGCCAAGCCCGGCCTCAA
CGACAAGCTCCGCCACTCCGGCATCATCGACATCCAGTTCAAGAGGGTGCCCTGC
AACTTCCCGGGGCTGAAGGTGACCTTCCACGTGGAGCAAGGGTTCGAACCCGGTGT
ACTTCGCTGTGCTGGTGGAGTACGAGGACGGCGACGGGGACGTGGTCCAGGTGG
ACCTGATGGAGGCCAACTCGGGCGGCGCGTGGACGCCGATGCGCGAGTCGTGGG
GCTCCATCTGGCGCCTCGACTCCGGCCACCGCCTCCAGGCGCCCTTCTCCCTCCGC
ATCACCAACGAGTCCGGCAAGACGCTCGTCGCCGACAAGGTCATCCCGGCCAACT
GGGCGCCAGCGCCGTCTACCGCTCCTTCGTCCAGTACAGCGGCTGA

Nucleotide

>BdEXPB-12

TTCCTCCCGTAGCCATGTGACCCCTATCACTGCACAAAGCACGTCGGGTGCAACC
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GTCTGGTCAGTGTGCCGGTGCCTGCTAGCTAGTACTCTCTGTCTCAAGCTTGA

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CGACCAATCCTGTTCCGGCAGCCCGGAGACTGTGGTCATCACCGACATGAACTAC
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CAAGAGGTCTGTCAGTACAGAACCATAACTAGTAGTACTAGTACTTCTTTGTGCA
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TCTGCTAAATAGTGTTATCCC