

IDENTIFICATION

Species: *Brachypodium distachyon*

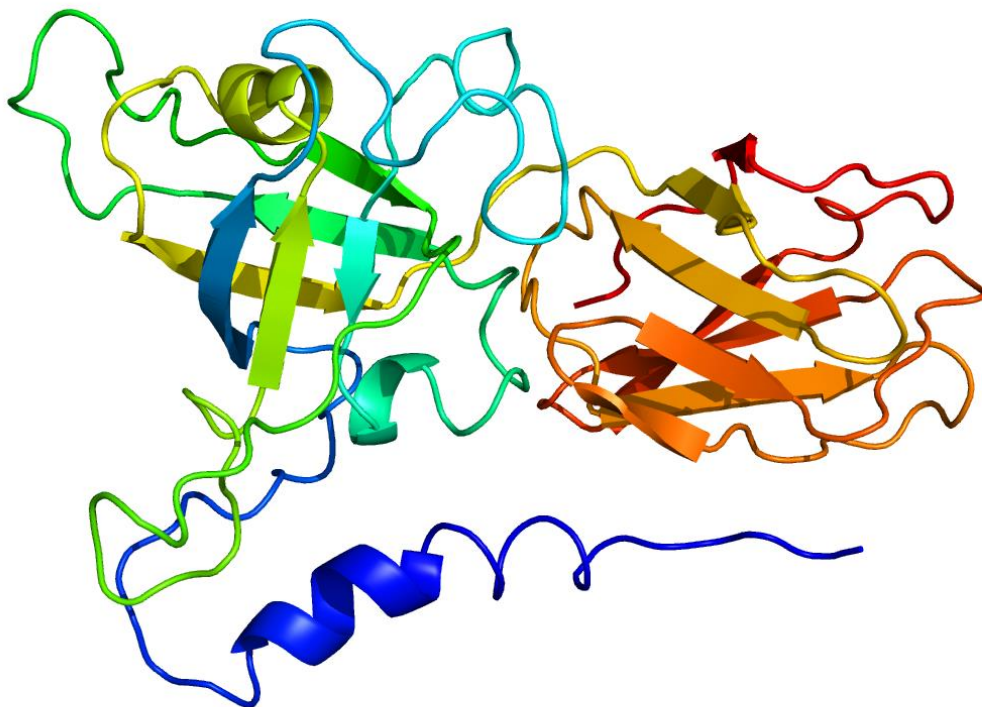
Locus: Bradi1g03640

Gene Model: Bradi1g03640.1.p

Description: BdEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

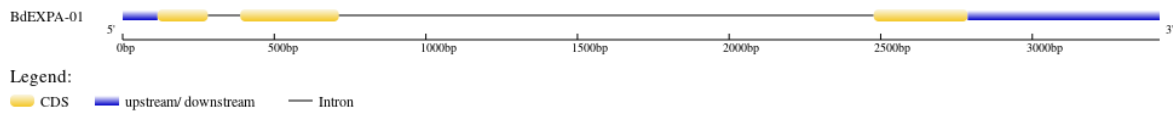
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

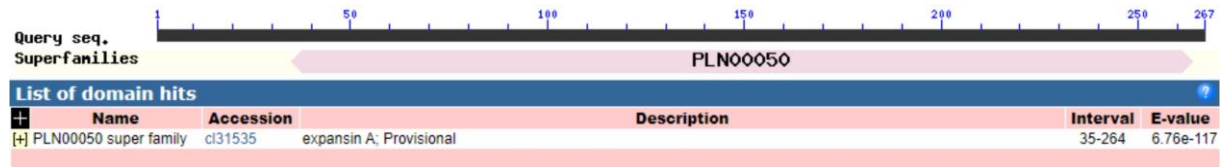
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-01

MPSPLPFFAVLLASVLLLLPHAADARIPGVYTGGDWQSAHATFYGGSDASGTMGG
ACGYGNLYSQGYGVNNAALSTALFNGGQRCGACFEIKCVNQPDWKWCHPGSPSILV
TATNFCPPNYALPSDDGGWCNPPRPHFDLAMPFLHIAEYRAGIVPVTYRRVACRKK
GGVRFTHMGFRYFNLVLITNVAGAGDLVRASVKGSSTGWMPMSRNWGWQNS
VLVGQSLSFRTSSDRRTSTSWNVAPGGWYFGQTFEGKNFRV*

CDS (coding sequence)

>BdEXPA-01

ATGCCGCTCCCCCGCTGCCGTTCTTCGCCGTCCTCCTCGCTTCGGTCCTTCTTCTG
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GGCAGTCCGCCACGCCACCTTCTACGGCGGCAGCGACGCCCTCCGGCACCATGGG
AGGGGCGTGCGGGTACGGGAACCTGTACAGCCAGGGCTACGGGGTGAACAACGC
GGCGCTGAGCACGGCGCTCTTCAACGGCGGGCAGCGCTGCGGGGCCTGCTTCGA
GATCAAGTGCGTGAACCAGCCCGACTGGAAGTGGTGCCACCCGGGCTCGCCGTC
ATCCTCGTCACGGCCACCAACTTCTGCCCCGCCAACTACGCGCTGCCTTCCGACG
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CCTCCACATCGCCGAGTACCGCGCCGGCATCGTCCCCGTCCTTACCGCCGGGTG
GCGTGCAGGAAGAAGGGAGGGGTGCGGTTACGATGCACGGGTTACAGTACTTC
AACCTGGTGCTGATCACGAACGTGGCGGGGGCCGGGGACCTGGTGCAGCCAGC
GTCAAGGGTTCAAGCACCGGGTGGATGCCCATGTACGCAACTGGGGCCAGAAC
TGGCAATCCAACCTCCGTCCTCGTCGGCCAGTCGCTCTCCTTCCGCGTCACCTCCAG
CGACCGCCGCACCTCCACCTCCTGGAACGTGCCCGGGAGGATGGTACTTCGGC
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Nucleotide

>BdEXPA-01

AGCCAATTCCACCACACCACCCTTGACTCCTCCACTGTTCTTGTCTTGCCCCCTC
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GGACCGGACCGGACCGCAGCAGGTTCTGATCTGAGCTGCGCTCCACTTTACCCAG
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