

IDENTIFICATION

Species: *Brachypodium distachyon*

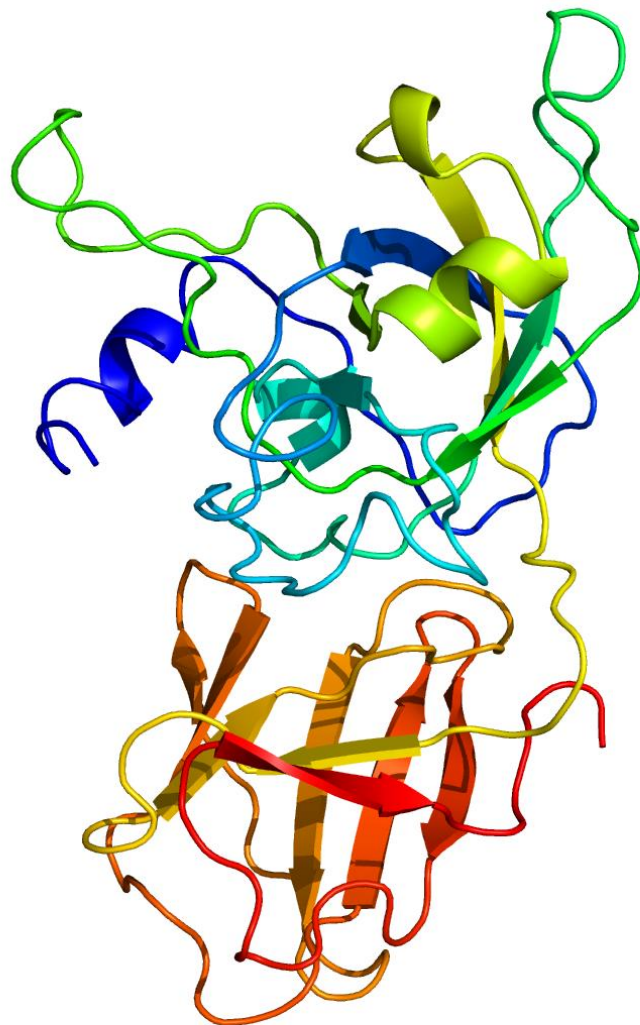
Locus: Bradi3g27440

Gene Model: Bradi3g27440.1.p

Description: BdEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

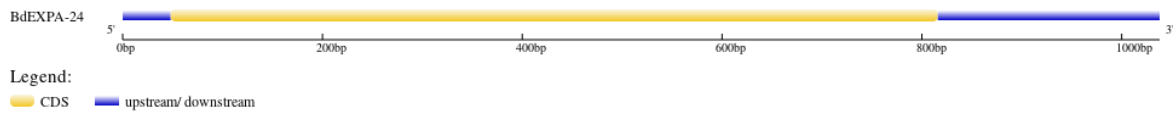
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

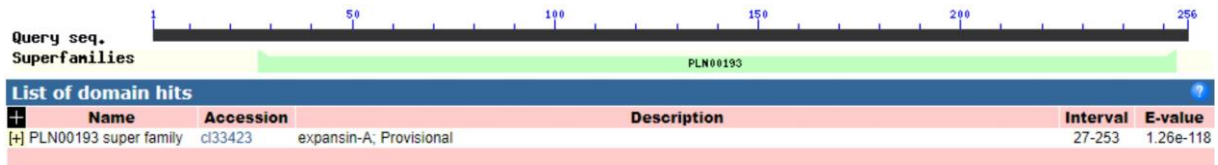
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-24

MGTSMAKWLALRASVLAALAAVCAADWSPATATFYGEPDGSMTMGGACGYGNLY
DQGYGINNAALSTVLFNDGASCGQCFMIMCDASKTGWCKPGYGTITVSATNLCPPN
WALPNDNGGWCNPPRQHFDMSQPAWETIGIYRAGIVPVLVYQRVKCWRTGGVRFITIA
GFNYFELVLITNVGGSGSVASMSIKGSNTGWIQMSRNWGANWQCLAGLAGQALSFS
VTTTGGQNLVFDNVAPAWWQFGQTFGTYKQFDY*

CDS (coding sequence)

>BdEXPA-24

ATGGGCACGAGCATGGCAAAGTGGCTGGCTCTCCGCGCTTCGGTTCTGGCAGCGT
TGGCCGCGGTGTGCGCGGCGGATTGGTCGCCGGCGACCGCGACGTTCTACGGCGA
GCCCGACGGTTCGGGACGATGGGCGGCGCGTGCGGGTACGGCAACCTGTACGA
CCAGGGTTACGGCATCAACAACGCGGCGCTGAGCACGGTGCTGTTCAACGACGG
AGCGTCGTGTGGGCAGTGCTTCATGATCATGTGCGACGCCAGCAAGACCGGGTGG
TGCAAGCCCGGCTACGGCACCATCACCGTGTGCGCAACCAACCTGTGCCCGCCCA
ACTGGGCGCTCCCCAACGACAACGGCGGGTGGTGAACCCGCCGCGGCAGCACT
TTGACATGTCGCAGCCTGCCTGGGAGACCATTGGCATCTACCGCGCCGGCATCGT
GCCCGTGCTCTACCAGCGCGTCAAGTGCTGGCGCACGGGCGGGGTCAGGTTACC
ATCGCCGGGTTCAACTACTTCGAGCTCGTGCTCATCACCAACGTGCGGCGGCAGCG
GCTCCGTGGCCAGCATGTCCATCAAGGGGAGCAACACTGGGTGGATCCAGATGTC
AAGGAAGTGGGGTGCCAATTGGCAGTGTCTCGCGGGGCTTGCCGGGCAGGCGCT
CAGCTTTAGCGTGACCACCACCGGCGGGCAGAACCTGGTCTTCGACAACGTCGCG
CCGGCCTGGTGGCAGTTCGGCCAGACCTTCGGCACATACAAGCAGTTCGACTACT
GA

Nucleotide

>BdEXPA-24

AGAACAGAAAATCCACAAGTACTCTTGTCGTCCTAAGTTGTCATCCACATGGGCA
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CTGGTGGCAGTTCGGCCAGACCTTCGGCACATAACAAGCAGTTCGACTACTGACAC
ATGCATGCATGGATCATGTGTATAGACCGAGTGC ACTATATATGTTTTGTTCTTGC
GTTTCCATCACATAATCATATACCACATGTATGTTTCTGTACAAAAGCACACAATT
TATTAGTGC GTTACATTGGCATT TATACCATTAATTGGATGTCCTGGAGCTCGGCA
TATGTCTCACTTAACAAGGGACTTTTCCGAATTAGCAACATTGAATCAAGC