

IDENTIFICATION

Species: *Brachypodium distachyon*

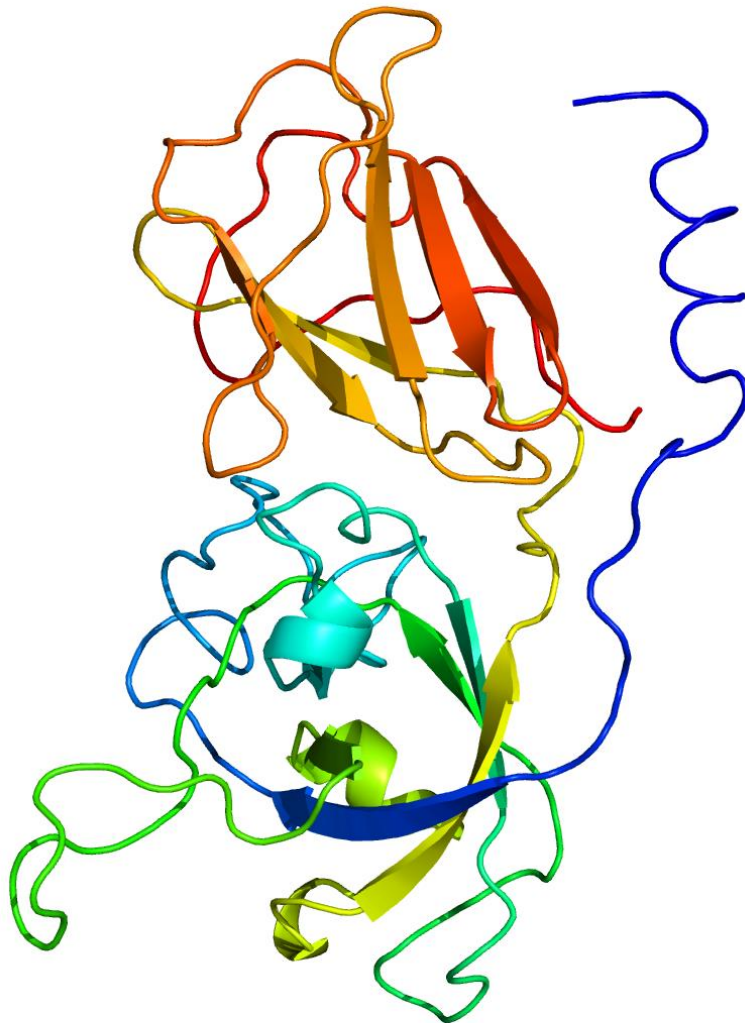
Locus: Bradi3g27460

Gene Model: Bradi3g27460.1.p

Description: BdEXPA-26

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

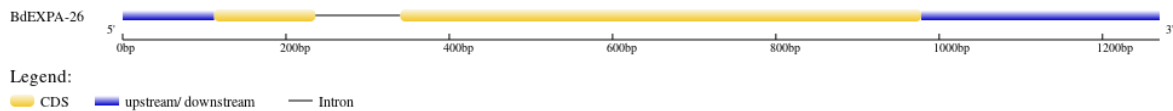
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

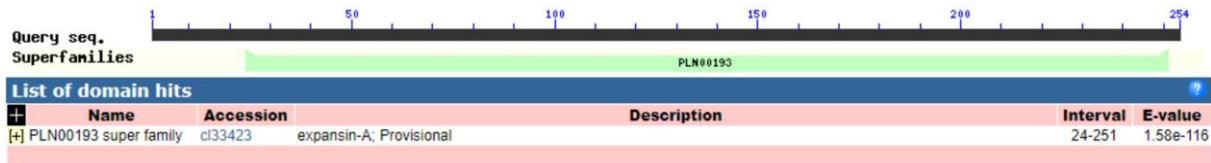
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-26

MGTPRKVMLLALFALCIESAVADWSKGTATFYGGQDASGTMGGACGYQNLVDQGY
GVNNAALSTALFNDGASCGQCYLIMCDASSTGWCRAGYSTVTVTATNLCPPNWALP
NNGGWCNPPRPHFDMSQPAWLQIGIYKAGIPILYQQVKCWRQGGIRFSIAGFNYYE
LVLVTNVGGSGSIRAMSVKGSNTGWIPMTRNWWGANWQSTSALVGQALSFMVTSTG
GQTLYLNNVVPYWWTFGSTTYTSNNQFDY*

CDS (coding sequence)

>BdEXPA-26

ATGGGCACACCAAGGAAGGTGATGCTCTTGGCTCTCTTCGCACTCTGCATCGAGT
CGGCAGTGGCAGATTGGAGCAAGGGGACGGCCACGTTCTACGGCGGCCAGGACG
CCTCCGGCACGATGGGTGGCGCTTGGCGGTACCAGAACCTGTACGACCAAGGGT
ACGGCGTGAACAACGCGGCGCTGAGCACGGCGCTGTTCAACGACGGTGCGTCTT
GCGGGCAGTGCTACCTGATCATGTGCGACGCCAGCAGCACTGGTTGGTGCAGGGC
CGGCTACAGCACGGTCACCGTCACGGCCACCAACCTCTGCCCTCCCAACTGGGCG
CTCCCAACAACAACGGCGGCTGGTGCAACCCGCCCGCCGCACTTCGACATGT
CGCAGCCGGCATGGCTCCAGATCGGCATCTACAAGGCCGGCATCATCCCATCCT
CTACCAGCAGGTCAAGTGCTGGAGGCAGGGCGGGATCCGGTTCAGCATCGCCGG
GTTCAACTACTACGAGCTGGTGCTCGTCACCAACGTCGGCGGCAGCGGCTCCATC
AGGGCCATGTCGGTCAAGGGCTCCAACACGGGTGGATCCCATGACCAGGAAC
TGGGGCGCCAACTGGCAGTCCACCTCGGCGCTCGTCGGCCAGGCGCTCTCCTTCA
TGGTCACCTCCACCGGCGGCCAGACGCTCTACCTCAACAACGTCGTGCCCTACTG
GTGGACCTTTGGCTCCACCACGTATACCAGCAACAATCAGTTTGACTATTGA

Nucleotide

>BdEXPA-26

AAACAGCCGCACTCTCTTCTTATTCCCACGTATTCTCCACATCGATCCTAGGTA
GCTAGTTAGATCCTTGTGCTTCAAGATCTACCAGCCACCGGTGATCGTTTCGGAG
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CGGCAGTGGCAGATTGGAGCAAGGGGACGGCCACGTTCTACGGCGGCCAGGACG
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GACGGCCGGTTAATTTCTCTCGTCCCTAATCGACCTGCTAACAACGTTGTTATGTT
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GCACGGTCACCGTCACGGCCACCAACCTCTGCCCTCCAACTGGGCGCTCCCCAA
CAACAACGGCGGCTGGTGCAACCCGCCCGCCCGCACTTCGACATGTCGCAGCCG
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AGGTCAAGTGCTGGAGGCAGGGCGGGATCCGGTTCAGCATCGCCGGGTTCAACT
ACTACGAGCTGGTGCTCGTCACCAACGTCGGCGGCAGCGGCTCCATCAGGGCCAT
GTCGGTCAAGGGCTCCAACACCGGGTGGATCCCCATGACCAGGA ACTGGGGCGC
CAACTGGCAGTCCACCTCGGCGCTCGTCGGCCAGGCGCTCTCCTTCATGGTCACC
TCCACCGGCGGCCAGACGCTCTACCTCAACAACGTCGTGCCCTACTGGTGGACCT
TTGGCTCCACCACGTATAACCAGCAACAATCAGTTTGACTATTGATCGATCCACAT
ATATATATATATATATTCTTCCATGATCCATATATATTCTCCATCATCGTGCAGCT
AGGGGTGCCATGGTGC ACTGACAGATTA AATTGGTTTGGTTGACTTAATGGCGCA
TGCAATGTGGGGTGATCTGGATTTTCGATCTGTGTAATTCGATTACATAAGTTAAT
AAATATGCTCCCGATTTTTAATTTTAAATCCAGTTGTCGGTTCAGATGTTTTACC
GTGCTATTGTACATCTATTTTGAATCAGAGACAGATGATGGAGTTTTACTGCTCGT
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