

IDENTIFICATION

Species: *Brachypodium distachyon*

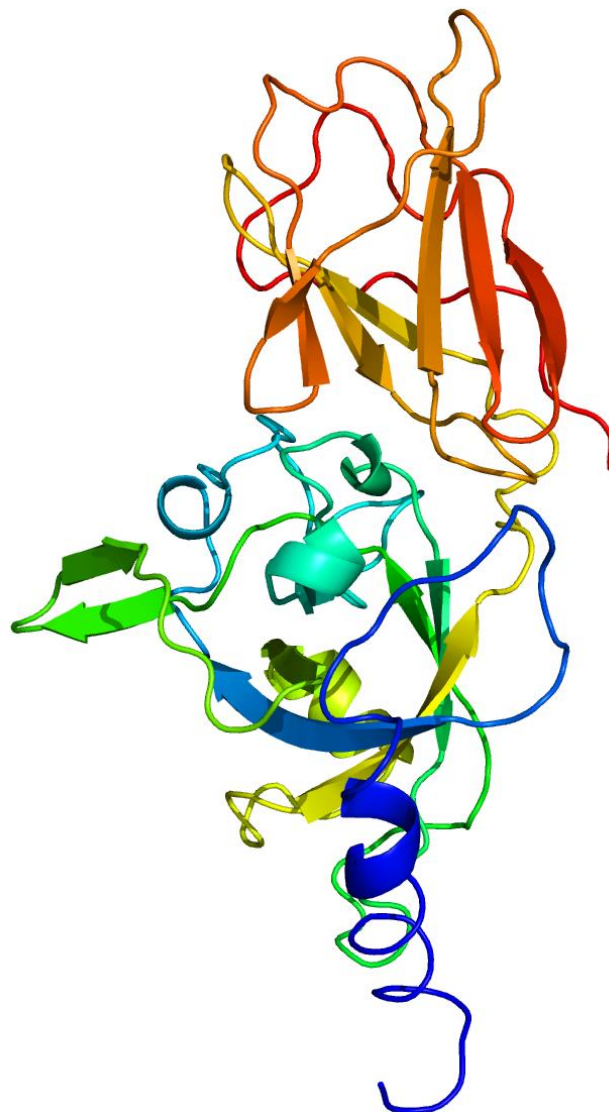
Locus: Bradi3g09960

Gene Model: Bradi3g09960.1.p

Description: BdEXPA-18

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

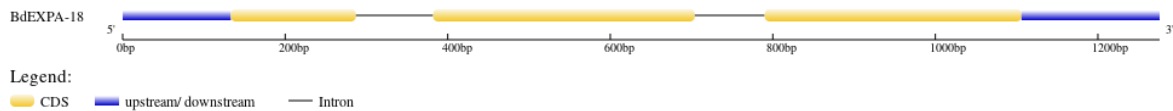
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

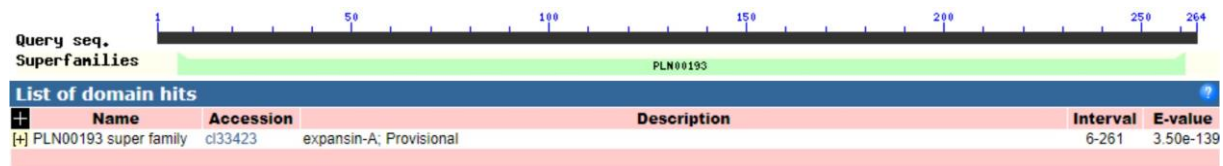
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-18

MAPAPAQVVAVVLLTVGYTALAVAASSPQAPVWQRAHATFYGGADASGTMGGA
CGYGNLYSEGYGTRSAALSTVLFNDGAACGQCYKIACDRKVDPSWCKPGVTVTVTA
TNLCPNPNALPNDNGGWCNIPRPHFDMAQPAWEKIGIYRGGIIPVMYQRPCLKGG
VRFKINGHDYFNLVLTNVAAVGSIKSMVDKSSDSKDWPAMARNWGANWHSLAYL
SGKMLSFRLTNTDGQTFLENNIVPSGWKFGQTFASKVQFND*

CDS (coding sequence)

>BdEXPA-18

ATGGCGCCGGCTCCAGCTCAAGTAGTAGCGGTGGTGCTGCTCACAGTGGGGTATA
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GCACGCGACCTTCTACGGTGGAGCTGACGCCTCCGGCACCATGGGAGGTGCGTGT
GGGTACGGCAACCTGTACTCTGAGGGGTACGGGACCCGGTCGGCGGGCGCTGAGC
ACGGTGTGTTCAACGACGGAGCGGCATGCGGACAATGTTACAAAATTGCGTGCG
ACCGCAAGGTAGACCCAAGTTGGTGTAAACCTGGTGTGACGGTGACAGTCACGG
CCACAAATCTCTGTCCACCCAACAACGCCCTTCAAATGATAATGGTGGTTGGTG
CAACATAACCACGGCCACACTTTGACATGGCGCAGCCGGCTTGGGAGAAGATCGG
TATCTATAGAGGTGGAATCATCCCGGTCATGTATCAGAGGGTTCCATGCTTGAAG
AAGGGTGGCGTGCGGTTTAAGATCAACGGCCACGACTATTTCAATCTTGTGCTTG
TGACCAATGTTGCAGCCGTCGGCTCGATAAAATCGATGGATGTGAAGAGCTCCGA
TTCAAAGACTGGGCGCCAATGGCACGCAACTGGGGTGCAAACACTGGCACTCACT
GGCCTATCTTAGCGGGAAAATGCTCTCGTTTAGATTAACCAACACTGATGGGCAA
ACACTTGAATTCAACAACATTGTGCCAAGTGGATGGAAGTTTGGGCAAACATTG
CGAGCAAAGTGCAGTTCAACGATTGA

Nucleotide

>BdEXPA-18

AGCCAGCAGAAGCAAATATTCCACATAGACAAAAGAAAACACACACAGGAGCA
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