

IDENTIFICATION

Species: *Brachypodium distachyon*

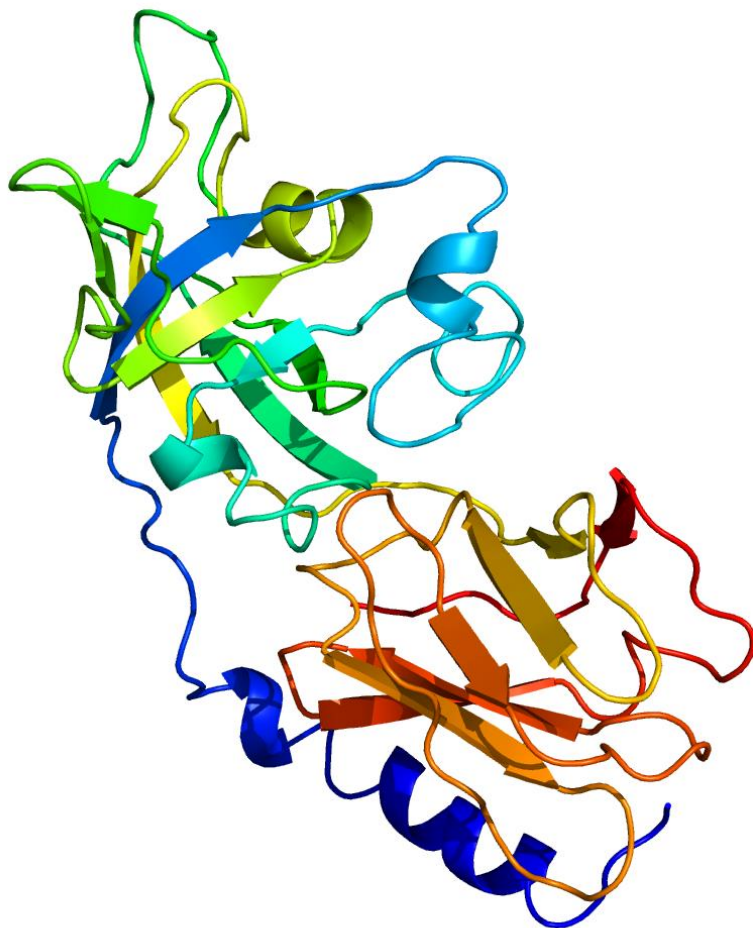
Locus: Bradi1g74740

Gene Model: Bradi1g74740.1.p

Description: BdEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

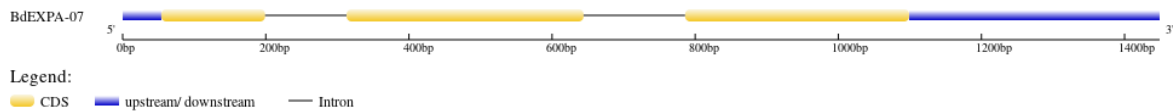
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

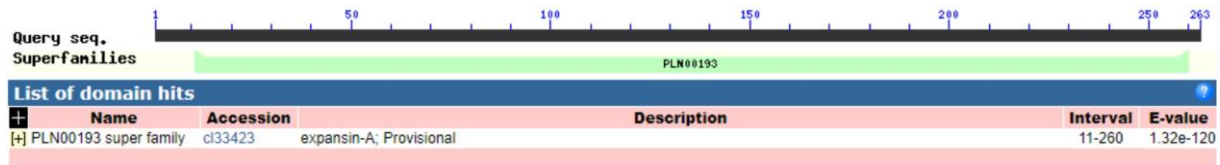
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-07

MEVRRKRWSFLQLFVAAALASRSAPAAGEEWSKGSATFYGGSDASGTMGGACGYG
NLYWTA YGTSTAALSSALFNDGAACGQCYKVKCDHESEQPQWCLTPVDKSVTVTA
TNLCPPNHALS GDGGGWCNPPRAHFDMAQPSWLQIGVYKAGIIPILYQRVACEKEGG
VRFTMGGFESFELVLISNVGGSGSVKAAWVKGSRTERMPMSRNWGANWQSLAALA
GHALTFGVTSTGGQTLVFQNVVPAWWRFGQAFTSSLQFSY*

CDS (coding sequence)

>BdEXPA-07

ATGGAGGTGCGGAGAAAACGATGGAGCTTCCTGCAACTGTTTCGTCGCCGCGGCCT
TGGCGTCGCGCTCCGCGCCGGCGGGGGAGGAGTGGTCGAAGGGCTCGGCCA
CCTTCTACGGCGGCAGCGACGCTTCCGGCACAATGGGTGGTTCGTGCGGGTACGG
GAACCTGTACTGGACGGCGTACGGGACGAGCACGGCGGGCGCTGAGCTCGGCGCT
CTTCAACGACGGCGCGGCGTGCGGGCAGTGCTACAAGGTGAAGTGCGACCACGA
GTCGGAGCAGCCCCAGTGGTGCCTGACGCCCCGTGGACAAGTCGGTGACCGTCAC
GGCCACCAACCTCTGCCCGCCCAACCACGCGCTCTCCGGCGACGGCGGGCGGCTGG
TGCAACCCTCCCCGCGCCCACTTCGACATGGCCCAGCCTTCCTGGCTCCAAATCG
GCGTCTACAAGGCCGGCATCATCCCCATCCTCTACCAAAGGGTGGCGTGCGAGAA
GGAGGGAGGGGTGCGGTTACGATGGGAGGCTTCGAGAGCTTCGAGCTGGTGGCT
CATCTCCAACGTGGGCGGGAGCGGGTCGGTGAAGGCGGCGTGGGTGAAGGGGAG
CAGGACGGAGAGGATGCCCATGAGCAGGAAGTGGGGCGCAAAGTGGCAGTCGCT
GGCGGCGCTCGCCGGCCACGCGCTCACATTCGGGGTCACATCCACCGGCGGCCAG
ACGCTCGTCTTCCAGAACGTCGTGCCGGCGTGGTGGCGCTTCGGCCAGGCCTTCA
CCTCGAGCCTCCAGTTCTCCTACTGA

Nucleotide

>BdEXPA-07

GAACGCTGTCACTGGCGGCCACTCATTTCAGACGCTCACGCTCGTGAAAAGAAAA
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CCTTCTACGGCGGCAGCGACGCTTCCGGCACAATGGGTACGCACTGTTGAAAGAA

TCTTGCTTCAATTCAAACCTGCCAGTAGGTACAGTGGAGCGGTAAACCCCTGGGC
ACAGCAACAACACAAGTGACAATCCATGGATGGGATGCAGGTGGTGCCTGCGGG
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CACGAGTCGGAGCAGCCCCAGTGGTGCCTGACGCCCCTGGACAAGTCGGTGACC
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GCTGGTGCAACCCTCCCCGCGCCCACTTCGACATGGCCCAGCCTTCCTGGCTCCA
AATCGGCGTCTACAAGGCCGGCATCATCCCCATCCTCTACCAAAGGTTCCCAAAA
TAATCCTACGAGTACTTTTACACTCACCGTCCACATGCCATTTGGACGGTTAATTT
GACTTGGTTAAATAAAAAAAGAAGAGAGAAGAAGATGGTGATTGATATATAATT
TGTGATGTGCTTTTGTGTGTAGGGTGGCGTGCAGAGAAGGAGGGAGGGGTGCGGTT
CACGATGGGAGGCTTCGAGAGCTTCGAGCTGGTGCTCATCTCCAACGTGGGCGGG
AGCGGGTCGGTGAAGGCCGGCGTGGGTGAAGGGGAGCAGGACGGAGAGGATGCC
CATGAGCAGGAACTGGGGCGCAAACCTGGCAGTCGCTGGCGGCGCTCGCCGGCCA
CGCGCTCACATTCGGGGTCACATCCACCGGCGGCCAGACGCTCGTCTTCCAGAAC
GTCGTGCCGGCGTGGTGGCGCTTCGGCCAGGCCTTCACCTCGAGCCTCCAGTTCT
CCTACTGAATTTGTTTGCTTGCTCGGCCTGCCTGCGTTTGATAGGCCAAAGGTCAA
GCAATACTGAATACTGCTGGGGCTGAGAAGTGAGAATCCATCCATGGATGGCAG
ACGTTTGTATTCTTGCCCACTGAGTGACCAGTCGGTCTCGATGTGCAGGAAAAGG
GTGTTGTCATTTTGAATTTTGCTTGTGGTCGTATATGTCGGTGAGAAAAATCTTAT
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