

IDENTIFICATION

Species: *Brachypodium distachyon*

Locus: Bradi3g50730

Gene Model: Bradi3g50730.2.p

Description: BdEXPB-15

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

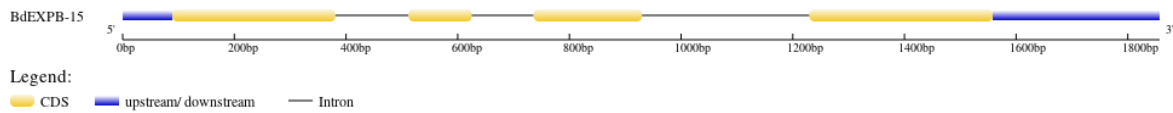
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

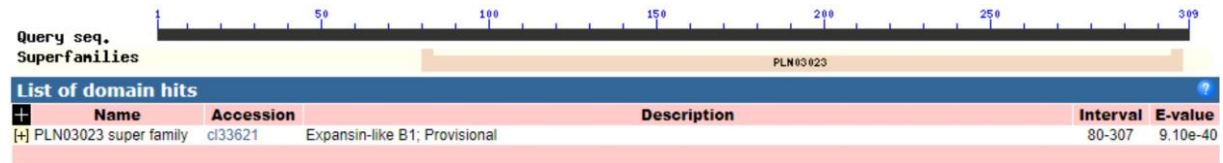
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-15

MGVLGRVHGSSFPPLRISHTLFTSSVSSSFALKREAMVARVSMASVTQIWASLAVF
TALAFLHPCASVELHRKLSGWSNGGATWYGASSGAGSDGGACGYQDAVGGQPF
SMIAAGSPSIYQDGKGCSCYQVKCTGHKSCSANPVTVVLTDECPDGTCLLEPVHFD
LSGTAFGAMAKPGQADQLRAAGRLQIQYTRVPCNWRGTDIAFKVDAGSNSYYLAM
LIEDESGDGLSAVDLQSGAGAGGWAPMARSWGAVWRFNSGPMQLQPPFSVRLTS
GSGKTLVADNVIPAGWKPGGTYHSVVNY*

CDS (coding sequence)

>BdEXPB-15

ATGGGCGTCCTTGCCGTGTTACGGCTCTAGCTTTCCTCCTCCACCCCTGCGCAT
CAGCCACACACTCTTCACTTCATCTGTCTCATCTTCCTTTGCACTGAAGCGTGAAG
CGATGGTCGCCAGGGTCAGCATGGCTTCCGTGACCCAGATATGGGCGTCCTTGGC
CGTGTTACGGCTCTAGCTTTCCTCCTCCACCCCTGCGCATCAGTCGAGCTCCACC
GCAAGCTCTCCGGCTGGTCCAACGGCGGCGCCACGTGGTACGGCGCCTCCAGCGG
CGCAGGGAGCGACGGTGGTGCCTGCGGGTACCAGGACGCCGTCGGCCAGCAGCC
GTTCTCCTCCATGATCGCCGCGGGTAGCCCGTCCATCTACCAGGATGGCAAGGGC
TGCGGTTCTTGCTACCAGGTGAAATGCACCGGTACAAGTCTTGCTCCGCCAATC
CGGTGACCGTCGTCCTGACCGACGAGTGCCCTGACGGGACGTGCCTGGAAGAAC
CCGTCCACTTCGACCTGAGCGGGACGGCGTTCGGTGCCATGGCCAAGCCTGGCCA
GGCCGACCAGCTCCGCGCCGCGGCCGCTCCAGATCCAGTATACTCGGGTCCCG
TGCAACTGGCGGGGCACGGACATAGCCTTCAAGGTGGACGCCGGCTCCAACCTCGT
ACTACCTCGCCATGCTCATCGAGGACGAGTCCGGCGACGGCGACCTGTCGGCGGT
CGACCTCAAGCAGAGCGGCGCCGGCGCCGGCGGGTGGGCGCCGATGGCGCGCTC
GTGGGGCGCGGTCTGGAGGTTCAACTCCGGGCCCATGTTGCAGCCGCCCTTCTCG
GTCCGGCTCACGTCCGGCTCCGGCAAGACTCTCGTGGCCGACAACGTCATCCCCG
CCGGCTGGAAGCCCGGGCGGCACATAACCATTCCGTGGTGAACACTGA

Nucleotide

>BdEXPB-15

ACACTCTTCACTTCATCTGTCTCATCTTCCTTTGCACTGAAGCGTGAAGCGATGGT
CGCCAGGGTCAGCATGGCTTCCGTGACCCAGATATGGGCGTCCTTGGCCGTGTTC
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TCTGTCTCATCTTCCTTTGCACTGAAGCGTGAAGCGATGGTCGCCAGGGTCAGCA
TGGCTTCCGTGACCCAGATATGGGCGTCCTTGGCCGTGTTCACGGCTCTAGCTTTC
CTCCTCCACCCCTGCGCATCAGTCGAGCTCCACCGCAAGCTCTCCGGCTGGTCCA
ACGGCGGGCGCCACGTGGTACGGCGCCTCCAGCGGGCAGGGAGCGACGGTAATT
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ACAGATCGATACTAGTTCTAGTGTACGTACTTACTGATCAAGGCCTGCGTGTTCTG
TATATAATATATAGGTGGTGCGTGCGGGTACCAGGACGCCGTCGGCCAGCAGCCG
TTCTCCTCCATGATCGCCGCGGGTAGCCCGTCCATCTACCAGGATGGCAAGGGCT
GCGGTTCTTGCTACCAGGTTTCGACCATACCCCTCGATGCCGGCCTGCATGCAGAA
ATATATACTCCGTAATAAAGCACAATCGGTTCACTGGCTTAATTAATTAATTA
CACCATGTTTTCTGAAGGTGAAATGCACCGGTCACAAGTCTTGCTCCGCCAATCC
GGTGACCGTCGTCCTGACCGACGAGTGCCCTGACGGGACGTGCCTGGAAGAACC
CGTCCACTTCGACCTGAGCGGGACGGCGTTCCGGTGCCATGGCCAAGCCTGGCCAG
GCCGACCAGCTCCGCGCCGCGCCGCTCCAGATCCAGTATACTCGGTAATTA
GCTGTACACATATATCTGCCTTGTCGTGCACTAGCAGCATGCCGGATCAAGTAAT
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CGCAACGCTAGCTTCCGGTCCTTCCCCCTTGCTCTTT