

IDENTIFICATION

Species: *Brachypodium distachyon*

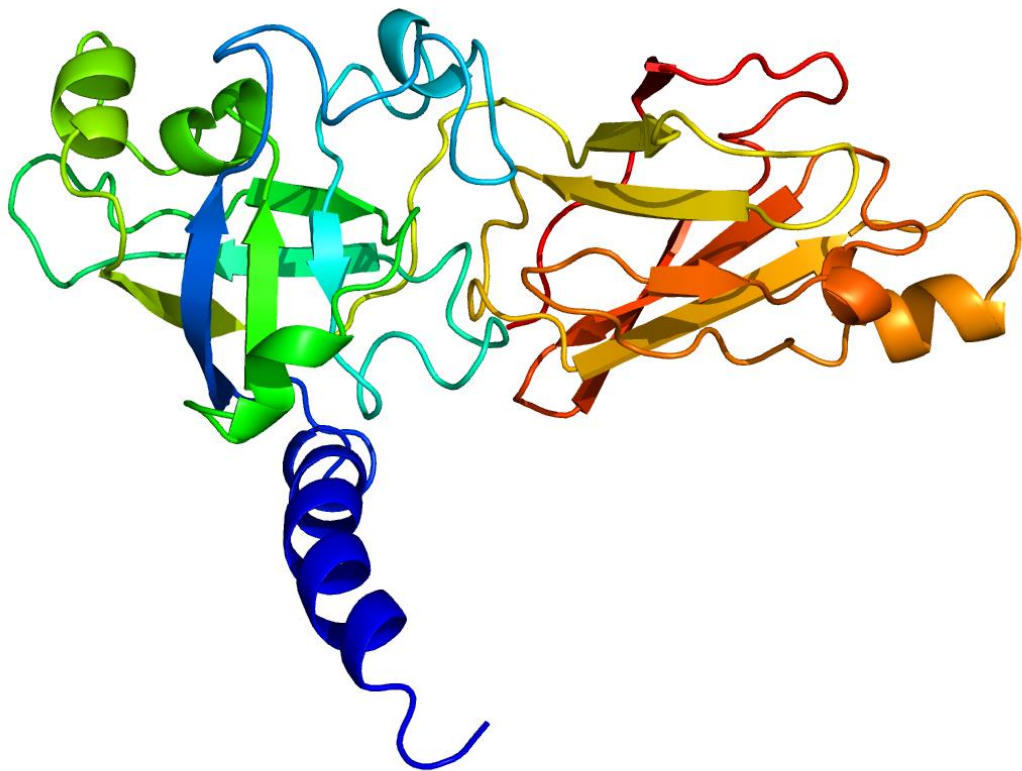
Locus: Bradi5g17770

Gene Model: Bradi5g17770.1.p

Description: BdEXPB-23

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

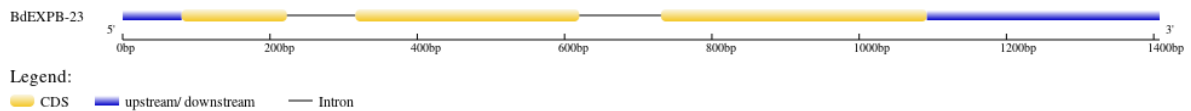
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

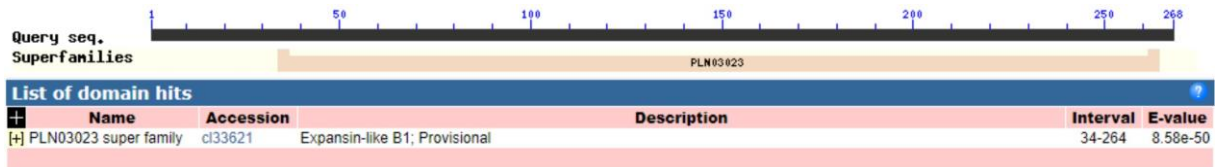
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-23

MASPGSALPTTVILILSILSLLVSSISCWSSGGATWYGSPYGAGSDGGACGYQGAVGQ
RPFSSMIAAGGPSFFKNGKGCACGYQVKCTGNRACSGRPVKVVITDSCPGGVCAREA
HFDMSGTAFGAMANPGMADRLRSAGELRIHYARVPCKYNGMNVAFKVDAGSNPYY
LAVLVMYQAGDGLSSVEIMQGGCRAQHGRNGEPWRRMQQSWGATWFLNSNDG
KPLRAPFSFRLTSGSGKLVLEVTNAIPAGWRAGTSYRSSVNYAS*

CDS (coding sequence)

>BdEXPB-23

ATGGCTAGTCCAGGCAGTGCCTACCCACGACAGTGATCCTCATCCTGTCAATCC
TATCACTTCTTGTAAAGCTCCATCTCTTGTCTGGTCCTCGGGCGGCGGACGTGGTAC
GGGAGCCCTTACGGCGCCGGCAGCGACGGTGGCGCGTGTGGTTATCAAGGCGCC
GTCGGCCAGCGCCCGTTCTCGTCGATGATCGCCGCCGGGGGACCCTCCTTCTTCA
AGAACGGCAAAGGCTGCGGCGCATGCTATCAGGTCAAGTGCACGGGTAACAGGG
CCTGCTCCGGTTCGCCAGTGAAGGTCGTCATCACCGACTCCTGCCCCGGCGGCGT
CTGCGCCAGGGAGGCGCACTTCGACATGAGCGGCACCGCCTTCGGCGCCATGGCC
AACCCCGGGATGGCCGACCGCCTCCGTTCTGCCGGAGAACTCAGGATCCACTACG
CCAGGGTGCCGTGCAAGTATAACGGCATGAACGTGGCGTTCAAGGTGGACGCGG
GGTCCAACCCGTACTACCTCGCCGTGCTGGTGTATGTACCAGGCGGGCGACGGGGA
CCTGTCCTCCGTGGAGATCATGCAGGGCGGCTGCAGGGCCGGCCAGCACGGCAG
GAACGGGGAGCCGTGGAGGAGGATGCAGCAGTCGTGGGGCGCCACGTGGTTCCT
CAACTCCAACGACGGGAAGCCCCTGCGCGCCCCGTTCTCGTTCCGGCTCACCTCG
GGCTCCGGCAAGGTGCTCGAAGTACCAACGCCATCCCCGCCGGATGGCGAGCC
GGGACGTCTACCGCTCCTCGGTCAACTACGCCTCGTAA

Nucleotide

>BdEXPB-23

AGATCTTAGTTCCAAACAAACCTAGCTAGCCATCGATCGGCCTAACTGTGACTT
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GGTCTCGGGCGGCGGACGTGGTACGGGAGCCCTTACGGCGCCGGCAGCGACG

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GCAGTCAAGTTAACGGCGCACTGTGTGCATCGCGCGCGTGTAAACATTGGAATGC
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AGGTGGACGCGGGGTCCAACCCGTAACCTCGCCGTGCTGGTGATGTACCAGGC
GGGCGACGGGGACCTGTCCTCCGTGGAGATCATGCAGGGCGGCTGCAGGGCCGG
CCAGCACGGCAGGAACGGGGAGCCGTGGAGGAGGATGCAGCAGTCGTGGGGCG
CCACGTGGTTCCTCAACTCCAACGACGGGAAGCCCCTGCGCGCCCCGTTCTCGTT
CCGGCTCACCTCGGGCTCCGGCAAGGTGCTCGAAGTCAACCAACGCCATCCCCGCC
GGATGGCGAGCCGGGACGTCCTACCGCTCCTCGGTCAACTACGCCTCGTAACTCG
TAAGACGGCTGGTGCTGGCTGATCTTCGAGTGTTTTAGATCTGTAGCTCTGCAGCT
CTGCCGTTTGTGATGTGAGCTCTTGCCGTGTCAAAGGAACTCGGCATGTGCGTCC
GGGAATTGTGAGCGGCCGCGTTAATTAGAAGAGGAGGAGGGTTCGACAAGTGTTT
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TAGTGATGTGTCTTCTTTTCTATGTATGCGACCTCGCAAACCTGTTAGTCACAACCA
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