

IDENTIFICATION

Species: *Brachypodium distachyon*

Locus: Bradi1g78340

Gene Model: Bradi1g78340.2.p

Description: BdEXPB-03

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

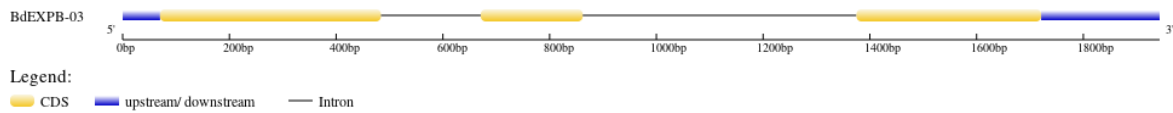
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

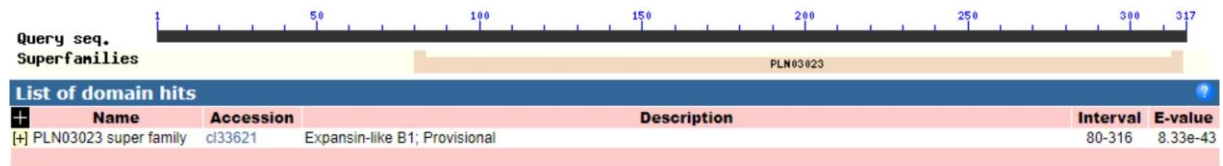
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-03

MASSSSSSVSAALLLCLLLAFHGVSCAAKAKHGSKKTTHHSPPKPHAPSPLPAPPATI
IPPPVATNGSSNSSSPGAGDEGWMDARATWYGAPNGAGPDDNGGACGFKDVLNLPF
SAMTSCGNEPLFKDGKGCSCYQIRCLSRMHPACSGVPETVIITDMNYYPVSRFHFDL
SGTAFGAMAKDQRNDEL RHAGIIDMQFKRVACQYPGLTVTFHVEHGSNPYYMAILV
EYENGDGDVDQVDIMESTPDGSGEPTGQWVPMKESWGSIW RMDTRRPMHGPFSLRI
TNESGQTLVADQVIPADWEPNAIYSSIIQFD*

CDS (coding sequence)

>BdEXPB-03

ATGGCATCCTCATCCTCCTCCTCTGTTTCTGCAGCTCTGTTGCTCTGCCTCCTCCTG
GCATTCCATGGCGTCTCCTGCGCAGCCAAGGCCAAGCACGGCAGCGGGAGCAAG
AAGACGCACCACTCTCCTCCCAAACCCACGCGCCATCTCCTCTTCTCCTGCTCCTCC
GGCTACCATCATCCCTCCCCCTGTTGCGACGAACGGTTCCTCCAATTCTAGCTCGC
CCGGCGCCGGCGACGAGGGGTGGATGGACGCGAGGGGCGACGTGGTACGGCGCGC
CCAACGGCGCCGGCCCCGACGACAATGGCGGGGCCTGCGGTTTCAAGGACGTGA
ACCTGCCCCCGTTCTCCGCCATGACATCCTGCGGCAACGAGCCGCTCTTCAAGGA
CGGCAAAGGCTGCGGCTCCTGCTACCAGATAAGGTGCCTGTCGCGTATGCACCCG
GCGTGCTCGGGGGTGCCGGAGACGGTGATCATCACGGACATGA ACTACTACCCG
GTCTCCCGCTTCCACTTCGACCTCAGCGGCACGGCATTTCGGCGCCATGGCGAAAG
ACCAGCGCAACGACGAGCTCCGACACGCCGGCATCATCGACATGCAGTTCAAGA
GGGTGGCGTGCCAGTACCCGGGGCTGACGGTGACGTTCCACGTGGAGCACGGTTC
GAACCCGTA CTACATGGCGATCCTGGTGGAGTACGAGAACGGCGACGGTGACGT
GGACCAGGTGGACATCATGGAGTCCACGCCGGACGGCAGCGGGGAGCCCACGGG
GCAGTGGGTGCCATGAAGGAGTCGTGGGGGTCCATCTGGCGGATGGACACGCG
GCGGCCATGCACGGCCC GTTCTCGCTGCGGATCACCAACGAGTCCGGCCAGACG
CTCGTGGCGGACCAGGTCATCCCCGCCGACTGGGAGCCCAACGCCATCTACAGCT
CCATCATCCAGTTCGACTGA

Nucleotide

>BdEXPB-03

CCCTATAAATACCAGCCATCGCCAATCTCCCGCCGGCATCCACCAGCAATTCAGC
CAGAGACAGTCAGCCATGGCATCCTCATCCTCCTCCTCTGTTTCTGCAGCTCTGTT
GCTCTGCCTCCTCCTGGCATTCCATGGCGTCTCCTGCGCAGCCAAGGCCAAGCAC
GGCAGCGGGAGCAAGAAGACGCACCACTCTCCTCCCAAACCCACGCGCCATCT
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CTCCAATTCTAGCTCGCCCGGCGCCGGCGACGAGGGGTGGATGGACGCGAGGGC
GACGTGGTACGGCGCGCCCAACGGCGCCGGCCCCGACGACAATGGCGGGGGCCTG
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GAGCCGCTCTTCAAGGACGGCAAAGGCTGCGGGCTCCTGCTACCAGGTTACAACCA
AACCTTTTTGTTGCTAGCTACTACTCATGGTATTCACGGTCACGAGACGCGTGCAT
CATCTGGTCTGTCTCTACGTCCGTTAATTTCCGCGTGTCTCTTCTTCTTCTACGGCTAG
AGAGCCAGCCTAGCCTGGCCTGGAGTCTGAAATTCTGAATTGGATTCTTGTGTTG
GAAACGCAGATAAAGGTGCCTGTGCGGTATGCACCCGGCGTGCTCGGGGGTGCCG
GAGACGGTGATCATCACGGACATGAACTACTACCCGGTCTCCCGCTTCCACTTCG
ACCTCAGCGGCACGGCATTCCGGCGCCATGGCGAAAGACCAGCGCAACGACGAGC
TCCGACACGCCGGCATCATCGACATGCAGTTCAAGAGGTACTGCCTCGATCAGCA
CTGTCATCCTTGATCCATCCAACCTTAATTAATTAGTAGCACCCCTGGTTCGATCGAT
CAGCCATTTCTGGTAGCCAGCCAGCTAGCTTCAATTCTCCACCGTTCGGTTCGGTTC
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TTATTCCGCGCGCGGGCG