

IDENTIFICATION

Species: *Brachypodium distachyon*

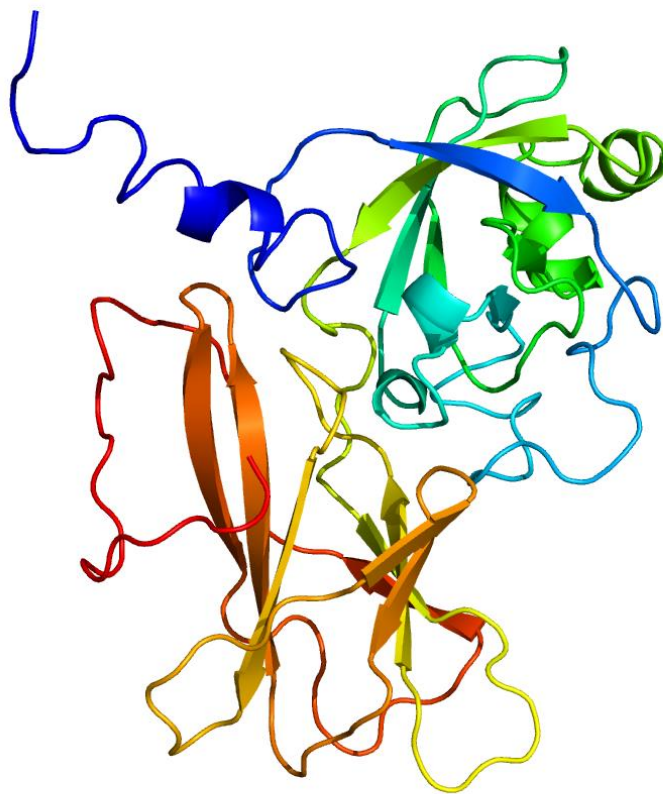
Locus: Bradi1g28130

Gene Model: Bradi1g28130.1.p

Description: BdEXLA-01

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

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

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

EXTERNAL RESOURCES

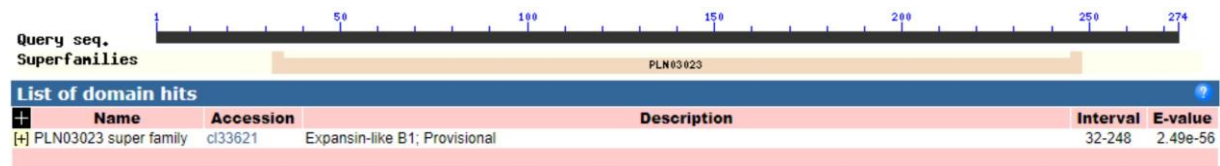
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXLA-01

MAVLLPALSSCLLLLLASSIASACERCVRQGKAAYSPSPSTQLPAGGGVCGYGAMAM
EINGGFLAAGGPRQHRAGLGCGRCFQMRCRDAKVCSSRGVRVVLDFHRSNRDFL
LGGPAFVSLAKPGMAQQLRTLDAKSIDYKRIPCDYNDKNLSILVEEQSKKPSKLVIKF
LYQGGQTDILAVDVAQVGSDDWRFMRSRVHGPVWSTDRAPTGPLQFRAVVTGGYDG
KWWWADKEVLPADWQPGQVYDTGARIADVARESCIGCARPDWEMKVA*

CDS (coding sequence)

>BdEXLA-01

ATGGCTGTCTTGCTCCCCGCCCTCTCCTCCTGCCTCCTGCTGCTCCTGGCCTCCTCC
ATCGCGTCCGCCTGCGAGAGGTGCGTGCGTCAGGGCAAGGCTGCCTACTCGCCCT
CGCCCTCCACCCAGCTCCCTGCCGGTGGCGGAGTCTGCGGGTACGGGGCCATGGC
CATGGAGATCAATGGGGGATTCTCGCCGCTGGGGGTCCGAGGCAGCACAGAGC
AGGGCTTGGCTGTGGAAGATGCTTTCAGATGAGATGCAGAGATGCAAAGGTGTG
CAGCAGTAGGGGCGTCCGGGTTGTGCTCACCGACTTCCACAGGAGCAATCGTACA
GATTCCTGCTAGGTGGTCCGGCATTGTGAGCCTTGCTAAGCCCAGGATGGCCC
AGCAGCTGAGGACGCTGGACGCTCTGTCCATAGACTACAAAAGAATTCCTTGTGA
CTACAATGACAAGAACCTGTCCATATTAGTGGAAGAACAGAGCAAGAAGCCAAG
CAAATTGGTCATCAAGTTCCTTTACCAAGGTGGTCAAACCTGATATCTTAGCGGTG
GATGTTGCTCAGGTGGGGTCGTGCGACTGGCGGTTTCATGAGCCGGGTTTCATGGGC
CCGTTTGGAGCACCGACCGAGCCCCACCGGGCCGCTGCAGTTCGGGGCGGTGGT
GACTGGTGGGTACGACGGCAAGTGGGTGTGGGCTGATAAAGAGGTCTCCCGGC
TGACTGGCAGCCTGGCCAGGTCTATGACACCGGTGCCCGGATCGCTGACGTGGCG
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Nucleotide

>BdEXLA-01

ACTCCTCAGTCCTCACACGCTCCTCCGCCAAAGTCTCTCGTCTCGGCTATATAATA
TCGAGCTCTACTTTAGTTTAGCGCACCGTTCTATAAGCAGGAACAACGGGCATGT
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AGCAGTAGCAGCATCTGATAAATGTATATATGCTGTCCCTCCGTATACTTCTATGCT
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