

IDENTIFICATION

Species: *Brachypodium distachyon*

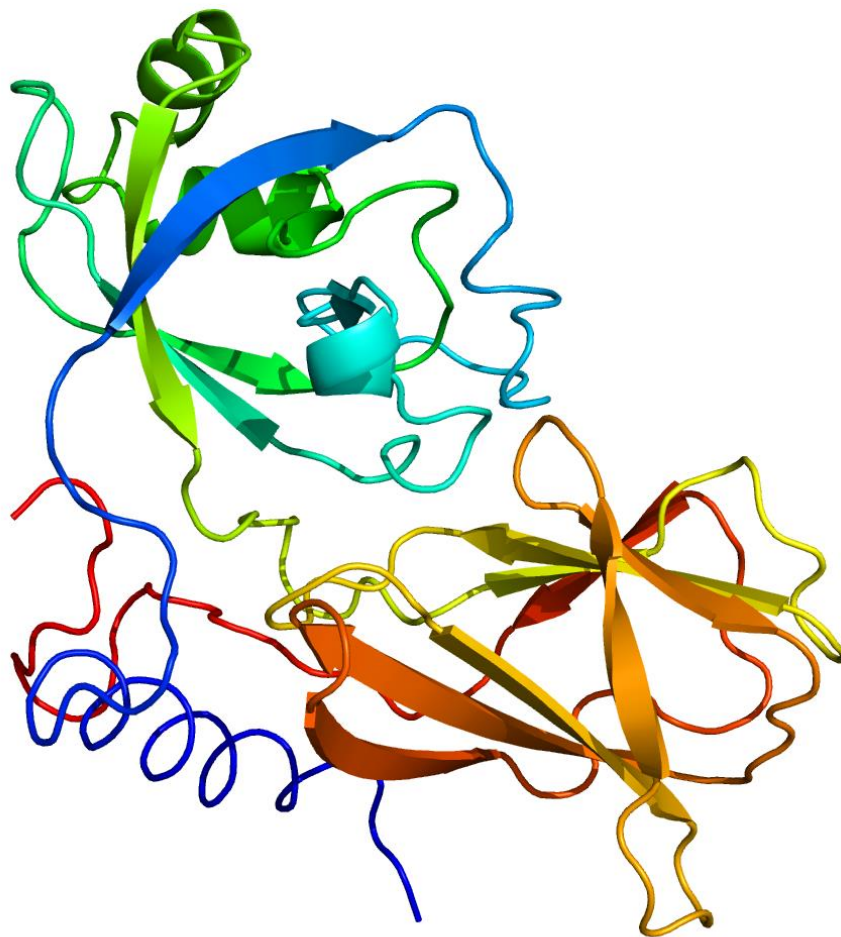
Locus: Bradi1g76270

Gene Model: Bradi1g76270.1.p

Description: BdEXLA-04

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

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

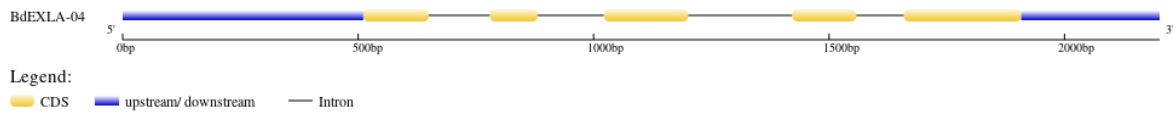
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

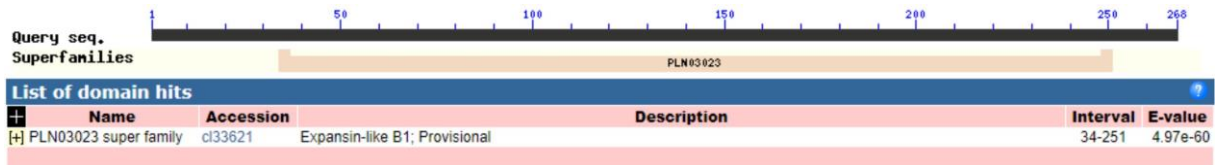
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXLA-04

MMAAVPVVFSSSSLLALLFLVSAASACDRCLHQSRASFYTSSLTSLAGSCGYGNSFNG
GMLAAAGPALYRGGVGGACFQVRCKDKELCSTSGAGVIVTDSAKTNRTELVLSSP
AFNAMARPGMADRLAKLGEVDVECKRVPCEYNNHKNLSVRVEEKSHAPSHLAIRFF
YQGGQTDIVAVDIAQVGSNWKFMAREHGPAWSTSQAPAGPLQLRVVVTAGYDYGK
WLWVEKEVLPSAWRAGEMYGTLQITDIAQEACSPCDTQDWK*

CDS (coding sequence)

>BdEXLA-04

ATGATGGCTGCCGTCCCTGTCAGTTTCTCCTCGTCGAGTCTGCTCGCGCTCCTCTT
CCTCGTCTCGGCGGCTTCCGCCTGCGACCGCTGCCTGCACCAGTCCAGAGCCTCCT
TCTACACCTCCTCGCTCACCTCTCCGCCGTTCTTGCGGGTACGGCAACTCCTTC
AACGGCGGCATGCTCGCCGCGGCAGGCCCGCTCTGTACCGCGGAGGCGTCCGGCT
GCGGCGCGTGTTCAGGTGCGGTGCAAGGACAAGGAGCTGTGCAGCACGTCCG
GCGCCGGGGTCATCGTCACGGACAGCGCCAAGACGAACCGCACGGAGCTGGTGC
TCAGCAGCCCCGCCTTCAACGCCATGGCGCGCCCCGGCATGGCCGACCGGCTCGC
CAAGCTCGGCGAGGTGACGTCGAGTGCAAGAGGGTGCCGTGCGAGTACAACAA
TCACAAGAACCTCTCGGTGAGGGTGGAGGAGAAGAGCCACGCGCCAGCCACCT
GGCCATCAGGTTCTTCTACCAGGGCGGCCAGACCGACATCGTCGCCGTGCGACATC
GCACAGGTAGGGTCGTGCAACTGGAAGTTCATGGCGCGGGAGCACGGGCCGGCG
TGGAGCACGAGCCAGGCGCCGGCGGGGCCGCTGCAGCTCAGGGTTCGTGGTGACC
GCCGGGTACGACGGGAAGTGGCTGTGGGTGGAGAAGGAAGTGCTGCCGAGCGCG
TGGCGCGCCGGCGAGATGTACGGCACCGGGCTCCAGATCACCGACATCGCCCAG
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Nucleotide

>BdEXLA-04

CGGTCCAAACCTAAAACCCCAACCAGACCCCTTCTTTTCCACCGCCCGGCCGCG
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CACACTGATCGATTGATAACAACCTGCATGCTCCGTTTCTACCTACGCCCTGATTCTG
AATTTCTGATTGGCTTTTTACCTTGGTTCTGGAACGAATTCGATTCCTGGGTGCA
GCCGGTCTTGCGGGTACGGCAACTCCTTCAACGGCGGCATGCTCGCCGCGGCAG
GCCCCGCTCTGTACCGCGGAGGCGTCGGCTGCGGCGCGTGCTTCCAGGTAACCAA
CTATACCAACCAAAAAGAACAACCGAACCGAACAAAGATGTCGTCTTCTGGGGCG
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GCGA