

IDENTIFICATION

Species: *Brachypodium distachyon*

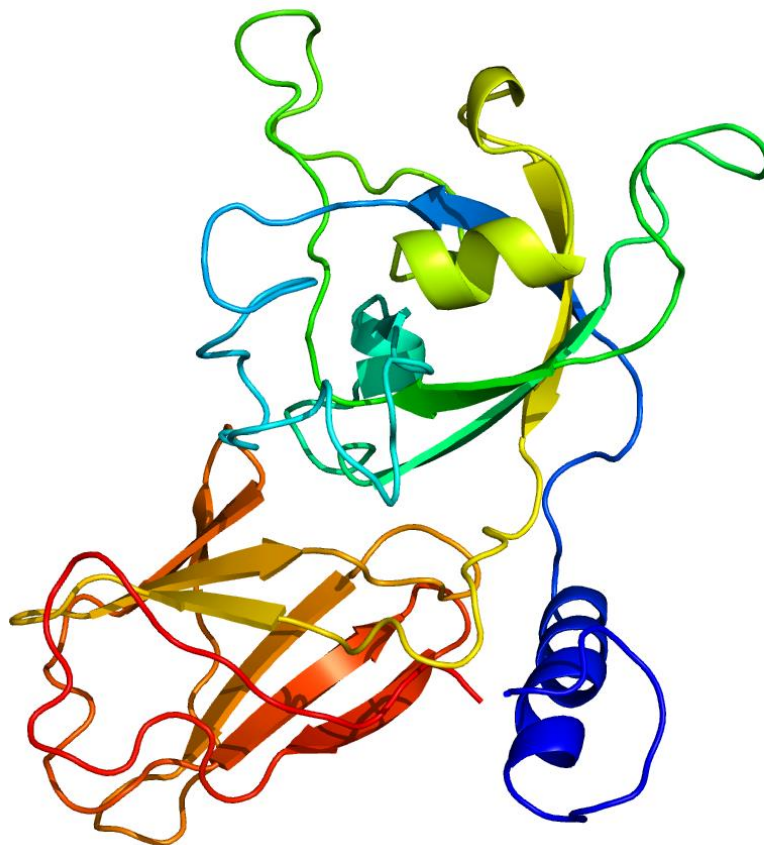
Locus: Bradi1g61190

Gene Model: Bradi1g61190.1.p

Description: BdEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

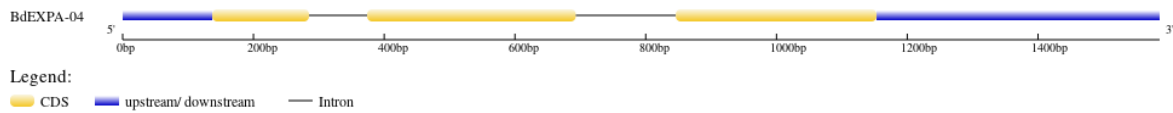
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

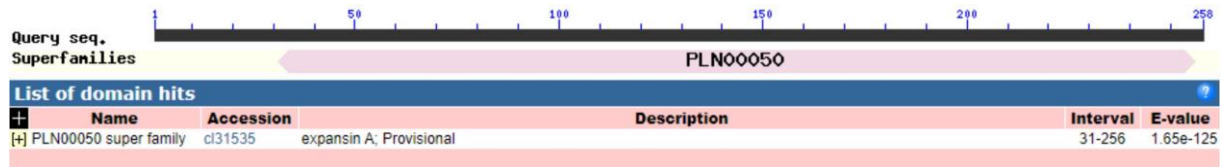
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-04

MGHLHHVPRTDRLSMALLLLLALLSLSSSADGWTNAHATFYGGGDASGTMGGACGY
GNLYSQGYGTDTAALSTALFGNGLSCGACFELRCAGGAGSCLPRAGSIVVTATNLCP
PNYALPNDKGGWCNPPLHHFDMSQPAFLRIARYRAGIVPVAYRRVACRRRGGIRFTI
NGHSYFNLVLSNVGGAGDVHAVA VKGGRTRWQAMSRNWGQNWQSAARLDGQP
LSFVVTASDRRSVVS RNVA PAGWAFGQTFTGAQFR*

CDS (coding sequence)

>BdEXPA-04

ATGGGGCACTTGCATCACGTACCACGCACGGACAGATCAATGGCGCTGCTCTTGT
TGCTTGCTCTGCTTTCCTACTGTCTTCGTCGGCCGACGGCTGGACCAACGCCACGCC
ACCTTCTATGGCGGCGGCGACGCCTCCGGCACCATGGGGGGCGCGTGCGGGTAC
GGCAATCTGTACAGCCAGGGGTACGGCACGGACACGGCGGGCGCTGAGCACGGCG
CTGTTCGGCAACGGGCTGAGCTGCGGCGCGTGCTTCGAGCTGCGCTGCGCGGGGG
GCGCCGGGTCTGCTGCCGCGGGCGGGCTCCATCGTGGTGACGGCCACCAACCT
TTGCCCGCCAACTACGCGCTCCCAACGACAAGGGCGGCTGGTGCAACCCGCC
CTCCACCACTTCGACATGTCCCAGCCGGCCTTCCTCCGCATCGCCCGCTACCGCGC
CGGCATCGTCCCGTCGCCTACCGCCGGGTGGCGTGCAGGAGGAGGGGGCGGCAT
CCGGTTCACCATCAACGGCCACTCCTACTTCAACCTGGTGCTGGTGAGCAACGTG
GGGGGCGCGGGCGACGTGCACGCGGTGGCCGTCAAGGGCGGCCGACGCGATGG
CAGGCCATGTCCAGGAAGTGGGGCCAGAAGTGGCAGAGCGCCGCGCGCCTCGAC
GGCCAGCCGCTCTCCTTCGTTCGTACGGCCAGCGACAGGCGCTCCGTCTGTCTCGC
GCAACGTTCGCGCCGGCCGGCTGGGCCTTCGGCCAAACCTTCACCGGGCGCCAGTT
CCGTTGA

Nucleotide

>BdEXPA-04

CAAGTGCATCCAGCTAATAAGTGCTACCGGAGTTCGTTACTACTACATAAATTAGG
GTGTCAACTGAACATCGCTGTTCAAATTTACTACTGTCCGAGCATCTACCTATATCT
ATCTATTTATAGCTCCCACACTCAAATGGGGCACTTGCATCACGTACCACGCAC
GGACAGATCAATGGCGCTGCTCTTGTTGCTTGCTCTGCTTTCCTACTGTCTTCGTTCG

CCGACGGCTGGACCAACGCCACGCCCACGCCACCTTCTATGGCGGGCGGGCAGCGCCTCCGG
CACCATGGGTGAGCAAACGGCATTTCGAGTTTTCTCGATCTATCAGCCACAACGTG
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AACCTTTGCCCGCCAACTACGCGCTCCCCAACGACAAGGGCGGGCTGGTGCAACC
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CGCGCCGGCATCGTCCCCGTCGCTACCGCCGGTATAAATGAATGTCAGTACTGAGCT
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AGGGATTATTACCCAGTCTCCGGATCAAATTTGAGTCCAGACACCAATGGTGGTG
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CCATCAACGGCCACTCCTACTTCAACCTGGTGCTGGTGAGCAACGTGGGGGGCGC
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GCTCTCCTTCGTTCGTCACGGCCAGCGACAGGCGCTCCGTCGTCTCGCGCAACGTC
GCGCCGGCCGGCTGGGCCTTCGGCCAAACCTTCACCGGGCGCCAGTTCCGTTGAG
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TCGCCGGGTTTTCGTTTAAACAACAAGTTCCCGGGATCCAGAGTGTGCCGCGGTTCGA
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