IDENTIFICATION

Species: *Brachypodium distachyon*

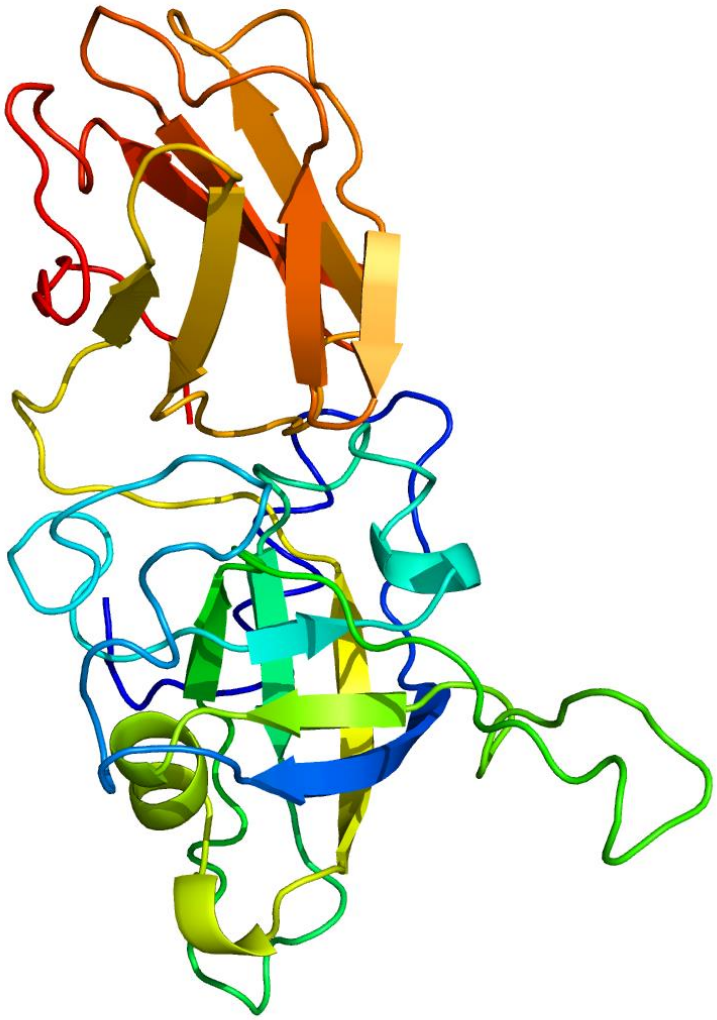
Locus: Bradi1g74710

Gene Model: Bradi1g74710.1.p

Description: BdEXPA-05

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

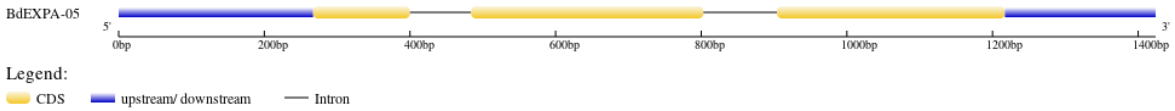
KEGG: https://www.genome.jp/entry/T01717

EXTERNAL RESOURCES

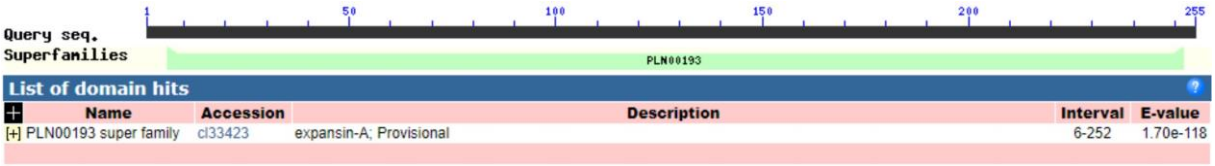
https://brachypodium.org/

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-05

MTGKRSVRLFAAVLAVALCFAPAKSDWLPATATFYGEPDASGTMGGACGYGNLYD
QGYGVSNAALSTALFNDGASCGQCYLIICDTSKTGWCKPGTSATVSATNFCPPNWTL
PNDNGGWCNPPRFHFDMSQPSWETIAIYRAGIVPVLYQQVKCWRYGGVRFTIAGFN
YFELVLLTNVGGSGSVKSMAVKGPNTGWIQMSRNWGANWQCLAGLEKQPLSFALT
STGGQYLVFQDAVPAGWQFGQTFSTYRQFDY*

CDS (coding sequence)

>BdEXPA-05

ATGACGGGGAAACGTTCCGTGCGTCTGTTCGCCGCTGTTCTGGCAGTAGCACTGT
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ACCGGACGCCTCCGGCACCATGGGTGGTGCGTGTGGGTACGGGAACCTGTACGA
CCAGGGTTACGGGGTGAGCAACGCGGCGCTGAGCACGGCGCTGTTCAACGACGG
GGCGTCGTGCGGGCAGTGCTACCTGATCATCTGCGACACGAGCAAGACCGGGTG
GTGCAAGCCCGGAACGTCCGCCACGGTGTCCGCCACCAACTTCTGCCCGCCCAAC
TGGACGCTCCCCAACGACAACGGCGGCTGGTGCAATCCTCCCCGCTTCCACTTCG
ACATGTCCCAACCTTCCTGGGAGACCATCGCCATCTACCGCGCCGGCATCGTCCC
CGTCCTCTACCAACAGGTGAAGTGCTGGAGGTACGGAGGGGTGAGGTTCACGATT
GCAGGGTTCAACTACTTCGAGCTGGTGCTGCTGACCAATGTCGGAGGGAGCGGGT
CGGTGAAGAGCATGGCCGTGAAGGGGCCTAACACGGGGTGGATCCAGATGTCCA
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GCTTCGCGCTCACCTCCACCGGCGGGCAGTACCTCGTCTTCCAGGACGCCGTCCC
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Nucleotide

>BdEXPA-05

TCCGCGGACGTTGCAGAGCCATGTGCAAACATACGATCGTTGGAACATCGGTTGC
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AGTTCCCCTATTTAAGCAGCAGCAATGTCGCAATCATTCCTCACCTCCAAAATCC
AGTCGCCACAACATCCAAAGCTAGCTGCAAAGCCGTGCTACTTATCTTGAGCACA
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GAAACGTTCCGTGCGTCTGTTCGCCGCTGTTCTGGCAGTAGCACTGTGCTTTGCGC
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GTCTTGTGGGATGTGCGTTGTGCAGGGTGAAGTGCTGGAGGTACGGAGGGGTGA
GGTTCACGATTGCAGGGTTCAACTACTTCGAGCTGGTGCTGCTGACCAATGTCGG
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CCTGTTAGAACGAACTGTGTAAAAGTCACTTATTCAAAATTCATCATTGATTATCT
GAACGCCAAATATTTACATACTGGAGATTTTTCCAGCCATCCTAATACAG