

IDENTIFICATION

Species: *Brachypodium distachyon*

Locus: Bradi2g08760

Gene Model: Bradi2g08760.1.p

Description: BdEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

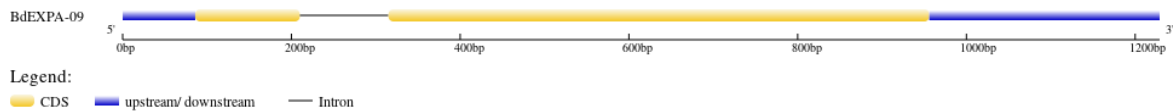
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

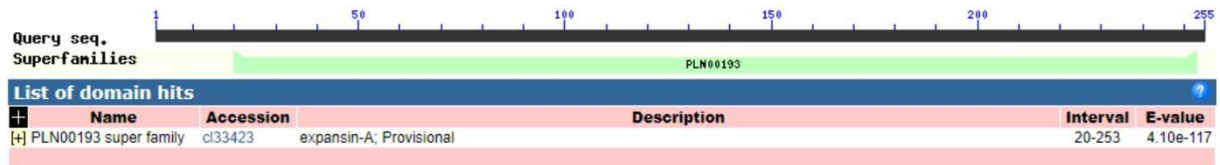
<https://brachypodium.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPA-09

MALISMLMLLLALFAFLLRASAAQWTPATATFYGGADASGTMGGACGYGNLYGAGY
GTQTTALSTALFNNGASCGACFTIACDARRSRWCKPGASPITVTATNFCPPNYALPND
DGGWCNPPRRHFDMSQPAWESIGVYRGGIVPVNYRRVRCGGRSGGVRFVTNNGHSYF
ELVLVTNVGGSGVVAQMWVKSGSSTGWMAMSRNWGANWQSNAYLNGKLSLFR
LRSDDGRVVTAENVAPAGWWFGGTYTSGAQFY*

CDS (coding sequence)

>BdEXPA-09

ATGGCGCTCATCAGCATGCTCATGCTCCTGGCGCTGTTTCGCCTTCCTGCTCAGAGC
ATCGGCGGCTCAATGGACACCCGCCACGGCAACGTTCTACGGCGGGCGCCGACGC
CTCGGGCACCATGGGCGGGGCATGCGGGTACGGGAACCTGTACGGCGCAGGGTA
CGGCACGCAGACGACGGCGCTGAGCACGGCGCTCTTCAACAACGGAGCCTCGTG
CGGCGCCTGCTTCACGATCGCGTGCGACGCCCGGAGGTCTCGCTGGTGCAAACCC
GGAGCGTCCCCCATCACGGTGACGGCCACAACTTCTGCCCGCCAACTACGCGC
TGCCCAACGACGACGGCGGGTGGTGCAACCCGCCGAGGCGGCACCTTCGACATGT
CGCAGCCGGCGTGGGAGAGCATCGGCGTGTACCGTGGCGGCATCGTGCCCGTGA
ACTACCGGAGGGTGCGGTGCGGCGGCCGACGCGGGGGCGTCCGGTTCACCGTCA
ACGGGCACAGCTACTTCGAGCTGGTGCTGGTGACCAACGTTGGGGGCAGCGGCG
TGGTGGCGCAGATGTGGGTGAAAGGGTCCGGTAGCAGCACGGGTTGGATGGCGA
TGAGCAGGAACCTGGGGCGCGAACTGGCAGAGCAACGCCTACCTCAACGGGAAGA
GCCTCTCGTTCCGCCTTAGGTCCGATGACGGGCGTGTCGTCACGGCGGAGAACGT
CGGCGCCGGCCGGTGGTGGTTCGGCGGCACCTACACGTCCGGGGCTCAGTTCTAC
TGA

Nucleotide

>BdEXPA-09

TTAATCCAGCAGCGACATTCCTGGCTAGCTAGCAGCTGTAGTATTTGGTACTGTG
CCTCAGGCTGTCAGCGGGATCGAGCACCGATATGGCGCTCATCAGCATGCTCATG
CTCCTGGCGCTGTTTCGCCTTCCTGCTCAGAGCATCGGGCGGCTCAATGGACACCCG
CCACGGCAACGTTCTACGGCGGGCGCCGACGCCTCGGGCACCATGGGTAGTCAAC

TTAACAGACTAGCTTCCCAGATTGTACGTCCTGTTTGTGTTTGGCCAGACTACTATAA
CATGGACATGCATTACGGGTGTTTTGTGAATCTCATCAGGGCGGGGCATGCGGGTA
CGGGAACCTGTACGGCGCAGGGTACGGCACGCAGACGACGGCGCTGAGCACGGC
GCTCTTCAACAACGGAGCCTCGTGCGGCGCCTGCTTCACGATCGCGTGCGACGCC
CGGAGGTCTCGCTGGTGCAAACCCGGAGCGTCCCCATCACGGTGACGGCCACA
AACTTCTGCCCGCCCAACTACGCGCTGCCCAACGACGACGGCGGGTGGTGCAACC
CGCCGAGGCGGCACTTCGACATGTTCGACGCCGGCGTGGGAGAGCATCGGCGTGT
ACCGTGGCGGCATCGTGCCCGTGAACACCGGAGGGTGCGGTGCGGCGGGCCGCA
GCGGGGGCGTCCGGTTCACCGTCAACGGGCACAGCTACTTCGAGCTGGTGCTGGT
GACCAACGTTGGGGGCAGCGGCGTGGTGGCGCAGATGTGGGTGAAAGGGTCCGG
TAGCAGCACGGGTTGGATGGCGATGAGCAGGAACTGGGGCGCGAACTGGCAGAG
CAACGCCTACCTCAACGGGAAGAGCCTCTCGTTCGCCTTAGGTCCGATGACGGG
CGTGTTCGTCACGGCGGAGAACGTCGCGCCGGCCGGGTGGTGGTTCGGCGGCACCT
ACACGTCCGGGGCTCAGTTCTACTGAAGCAGTGATCGCTCCGTGAAACGGAAAGT
TAGAGATGGCAATCCGCTATTTACGCGCGTGTTTCTGTACGTACCGTGTTCTGCGT
TGGACGATGTGAACTGTCTATTTTGCATAGGGCCGAACTGAAGGCCGCCACGAG
GCAGGCTGGCAAGCACGCTACTCTTTGTCGATGTGGTACTTGCTTGCTTCAAAT
GCAAATATTTGTGTGCAAATTAATGAAAAAAGTGTATGCCTATGTTCAAATCAT
GCACATGGATTCACTTTAGTTTT