

## IDENTIFICATION

**Species:** *Brachypodium distachyon*

**Locus:** Bradi1g74720

**Gene Model:** Bradi1g74720.1.p

**Description:** BdEXPA-06

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bdistachyon\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Bdistachyon_v3_1)

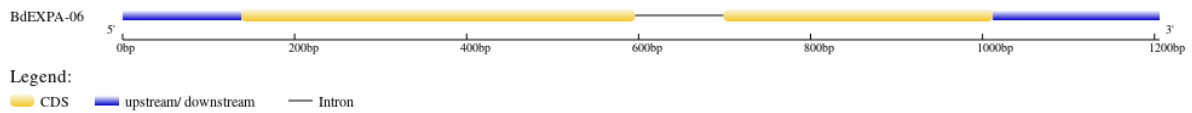
KEGG: <https://www.genome.jp/entry/T01717>

## EXTERNAL RESOURCES

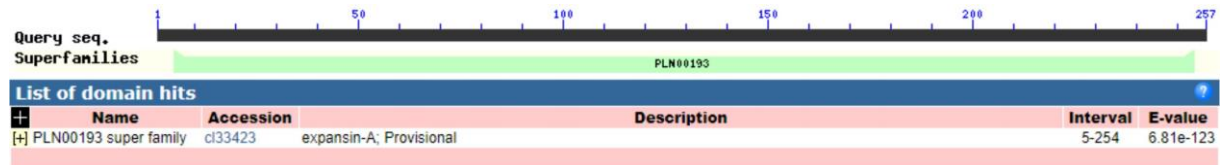
<https://brachypodium.org/>

[https://archive.gramene.org/species/brachypodium/brachypodium\\_intro.html](https://archive.gramene.org/species/brachypodium/brachypodium_intro.html)

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BdEXPA-06

MEYYRMLATLAF LVAASCSLAPVAKAGWSQGTATFYGGADASGTMGGACGYGNL  
YSTGYGTATAALSTALFNDGASCGQCYLVMCDGSKSNWCKGNGATVTITATNLCPP  
NWALPNDNGGWCNPPRPHFDMAQPAWLQIGVYKAGIIPVLYQQVRCWKQGGIRFMI  
GGFNSFELVLITNVGGPGSIRAVSIKGERTDWIQLTRNWGANWQCTAALAGQALSFA  
VTSTNGETLYMYNVAPSWWQFGTTFTSNNQFSY\*

### CDS (coding sequence)

>BdEXPA-06

ATGGAGTACTACAGGATGCTCGCAACGCTGGCCTTCCTGGTAGCGGCGTCCTGCA  
GCTTGGCGCCGGTGGCGAAGGCCGGCTGGAGCCAGGGGACGGCGACGTTCTACG  
GCGGCGCCGACGCGTCCGGGACGATGGGCGGCGCGTGCGGGTACGGGAACCTGT  
ACAGCACGGGGTACGGCACGGCCACGGCGGCGCTGAGCACGGCGCTGTTCAACG  
ACGGGGCCTCCTGCGGGCAGTGCTACCTGGTGATGTGCGACGGGTCAAAGTCCAA  
CTGGTGCAAGGGCAACGGCGCCACGGTGACCATCACGGCCACCAACCTCTGCCC  
GCCCAACTGGGCCCTCCCCAACGACAACGGCGGCTGGTGCAACCCTCCCCGGCC  
CACTTCGACATGGCCCAGCCCGCCTGGCTCCAGATCGGCGTCTACAAGGCCGGCA  
TCATCCCCGTCCTTACCAGCAGGTGAGGTGCTGGAAGCAGGGAGGGATCAGGTT  
CATGATCGGAGGCTTCAACAGCTTCGAGCTCGTGCTGATCACCAACGTGGGCGGG  
CCGGGCTCGATCAGGGCCGTGTCGATCAAGGGCGAGAGGACGGACTGGATCCAG  
CTGACAAGGAACTGGGGCGCCAACCTGGCAGTGCACGGCGGCGCTGGCCGGGCAG  
GCGCTCTCCTTCGCTGTCACCTCCACCAACGGCGAGACGCTCTACATGTACAACG  
TCGCGCCGTCGTGGTGGCAGTTCGGCACCACTTCACCAGCAACAACAGTTCAG  
CTATTAA

### Nucleotide

>BdEXPA-06

TATGTAGCATGTTCTCTGGCGCCATTCCCTTGGCGCTGCTCTGACAATTCCTCCTATA  
TAAGACAAGCCACCCTATTTGCACCAGTACACTCCTTCCAAGTGTTCTCTGCACAT  
TGCTCTCTCTCAGCAAGTCAGCATAGATGGAGTACTACAGGATGCTCGCAACGCT  
GGCCTTCCTGGTAGCGGCGTCCTGCAGCTTGGCGCCGGTGGCGAAGGCCGGCTGG

AGCCAGGGGACGGCGACGTTCTACGGCGGGCGCCGACGCGTCCGGGACGATGGGC  
GGCGCGTGCGGGTACGGGAACCTGTACAGCACGGGGTACGGCACGGCCACGGCG  
GCGCTGAGCACGGCGCTGTTCAACGACGGGGCCTCCTGCGGGCAGTGCTACCTGG  
TGATGTGCGACGGGTCAAAGTCCAACCTGGTGCAAGGGCAACGGCGCCACGGTGA  
CCATCACGGCCACCAACCTCTGCCCGCCAACCTGGGCCCTCCCAACGACAACGG  
CGGCTGGTGCAACCCTCCCCGGCCCCACTTCGACATGGCCCAGCCCGCCTGGCTC  
CAGATCGGCGTCTACAAGGCCGGCATCATCCCCGTCCTCTACCAGCAGTAATTAA  
GCCACCGGGCCGGCCACGATCACACTTCCAGCCTTAATTCCAGGTGATATC  
TCCATTAATTGCTGATCGAAGCTTTGATTTTCTGTTCTAGGGTGAGGTGCTGGAAG  
CAGGGAGGGATCAGGTTTCATGATCGGAGGCTTCAACAGCTTCGAGCTCGTGCTGA  
TCACCAACGTGGGCGGGCCGGGCTCGATCAGGGCCGTGTCGATCAAGGGCGAGA  
GGACGGACTGGATCCAGCTGACAAGGAACCTGGGGCGCCAACCTGGCAGTGCACGG  
CGGCGCTGGCCGGGCAGGCGCTCTCCTTCGCTGTCACCTCCACCAACGGCGAGAC  
GCTCTACATGTACAACGTCGCGCCGTCGTGGTGGCAGTTCGGCACCCACCTTACC  
AGCAACAACCAGTTCAGCTATTAATTAATTAACCAATTAAGTACAGTAATTCATT  
GGCGATCGAATTCGTCTGCGAGCAAGCAGTACACGAATCGGTTCGATTTCAATCTG  
GAGAAATATTTGTTCTTTTTTGTAAACATGTACGTACATGCATCCTTATGCTAGGT  
AAAGAAATATGTAACATATATTATTATATGAGCTCAGATGTTGCTTGCTGGG