

## IDENTIFICATION

**Species:** *Brachypodium distachyon*

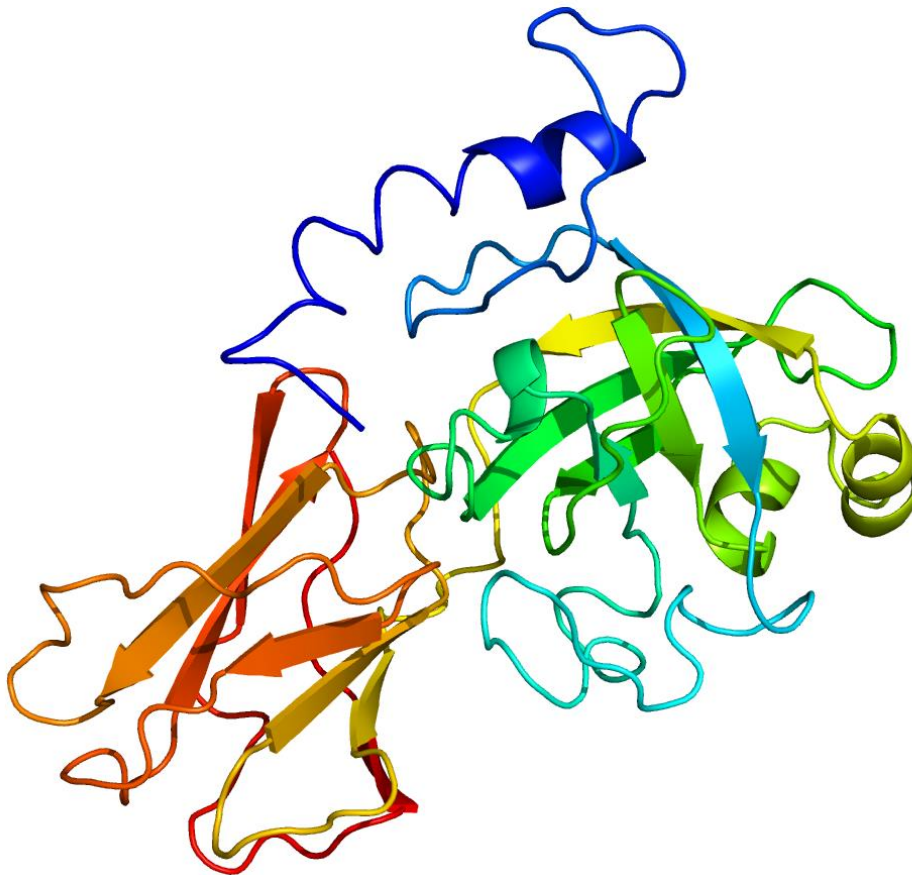
**Locus:** Bradi1g78350

**Gene Model:** Bradi1g78350.1.p

**Description:** BdEXPA-04

**Family:** Beta 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)

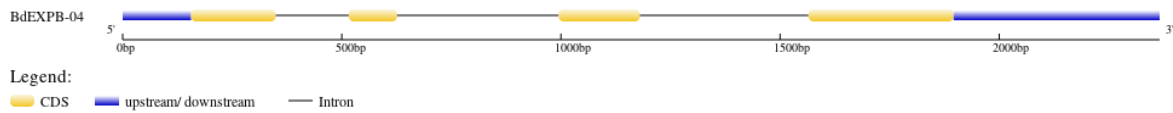
KEGG: <https://www.genome.jp/entry/T01717>

## EXTERNAL RESOURCES

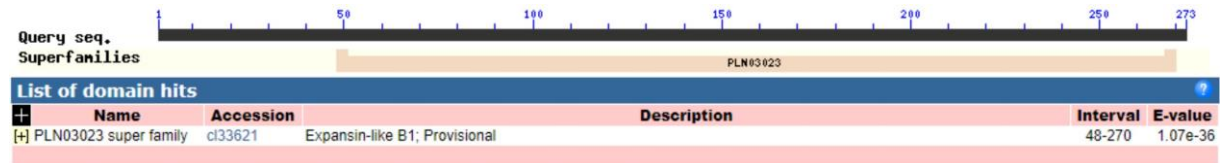
<https://brachypodium.org/>

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BdEXPB-04

MAKHLSELLVAAPLLMLLLFSSVYGSSAGGGPNLNASAVSFGQSGVARATWYGAP  
NGAGPYDNGGACGFKNVNKYPFMAMTSCGNQPLFKDGKGCACGYKIKCTKHKACS  
GRTETVVITDMNYYYPVAPYHFDLSGTAFGKLAKPGRNDEL RHAGIIDIQFTRVPCEFP  
GLKVG FHVVEEGSNAVYMAILVEYENG DGDVVQVDLMESGRGGGRWTRMKESWGS  
IWR LDSNHRLQAPFLRIRNESGKTLVARNVIPS NWRPNTFYRSIVQYS\*

### CDS (coding sequence)

>BdEXPB-04

ATGGCCAAGCATCTCTCGCTCCTGCTGGTGGCGGGCGCCGCGCTGCTAATGCTGC  
TCCTGTTCTCCTCCGTCTACGGCTCCAGCGCCGGCGGAGGGCCGAACCTGAACGC  
CAGCGCCGTGTCTTCGGCCAGTCGGGCGTCCGACAGGGCCACCTGGTACGGCGCC  
CCCAACGGCGCCGGCCCTTACGACAACGGCGGGCGCTTGCGGGTTCAAGAACGTG  
AACAAGTACCCGTTTCATGGCCATGACCTCCTGCGGCAACCAGCCCCTCTTCAAGG  
ACGGCAAGGGATGCGGCGCATGCTACAAGATCAAGTGCACGAAGCACAAGGCGT  
GCTCCGGGCGGACGGAGACGGTGGTGTACGACGACATGAACTACTACCCGGTGG  
CGCCCTACCACTTCGACCTCAGCGGCACCGCCTTCGGCAAGCTCGCCAAGCCCGG  
CCGCAACGACGAGCTCAGACACGCCGGCATCATCGACATCCAGTTCACCAGGGT  
GCCGTGCGAGTTCCCGGGGCTCAAGGTGGGCTTCCACGTGGAGGAGGGCTCCAA  
CGCGGTGTACATGGCGATCCTGGTGGAGTACGAGAACGGCGACGGCGACGTGGT  
ACAAGTAGACCTCATGGAGTCCGGCCGCGGCGGGCCGGTGGACGAGGATGAA  
GGAGTCGTGGGGTCCATCTGGCGCCTCGACTCCAACCACAGGCTCCAGGCGCCA  
TTCTCGCTGCGCATCCGCAACGAGTCCGGCAAGACGCTCGTCGCCCCGCAATGTCA  
TCCCCTCCAACCTGGCGCCCCAACACCTTCTACCGCTCCATCGTCCAGTACAGCTAG

### Nucleotide

>BdEXPB-04

AAGTGTACCCGTAGTCCAGTAGCAGCGGTACGGTACAGGCCAGTTATAAATTGGG  
GTGCCACCAAAGAGGAGCTCCTCATCAACACACACCAAACCAAACAGATCCAA  
CTAGCTACAGAGTGCAGCAAAGCCAGTGAGGGAGTGAACAAGCTAGATGGCCA  
AGCATCTCTCGCTCCTGCTGGTGGCGGGCGCCGCGCTGCTAATGCTGCTCCTGTTC

TCCTCCGTCTACGGCTCCAGCGCCGGCGGAGGGCCGAACCTGAACGCCAGCGCCG  
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CGCCGGCCCTTACGACAACGGTATGTACCTCACTCTTTTTCCCCTTCTTCTCAGA  
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CCCGTTCATGGCCATGACCTCCTGCGGCAACCAGCCCCTCTTCAAGGACGGCAAG  
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GTTGGTAGCACTAATCTTCTTCTTAAGTGACCACTTAAGTCTTCTAGTATTCCAA  
AATGCCATATACTTAAGTGACCACTTGGTCAAAGCCAGCAGTACTAGCTAGTTGA  
GCTGATTACTTGATTATAGTTGGCCATATACTTGGCTCGACCGGGGCACGAGTA  
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TTTCCGTGACAGTGCCCCGGCACGGCTCCCCATGCAACGGACCTGCCATGTGTTGT  
TGGCGCAATATCAAATTACAACCTCTGCCCTCCCTCCCTGAACAATGTTTGTGTTTG  
CAGATCAAGTGCACGAAGCACAAGGCGTGCTCCGGGGCGGACGGAGACGGTGGTG  
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