

## IDENTIFICATION

**Species:** *Oryza sativa*

**Locus:** LOC\_Os02g44106

**Gene Model:** LOC\_Os02g44106.1

**Description:** OstEXPB-02

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

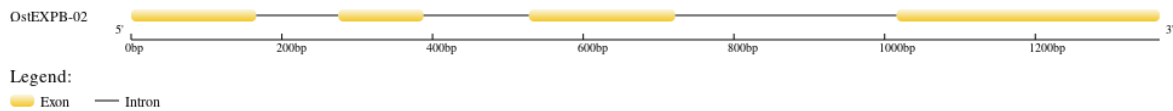
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Osativa\\_v7\\_0](https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0)

KEGG: <https://www.genome.jp/entry/T01015>

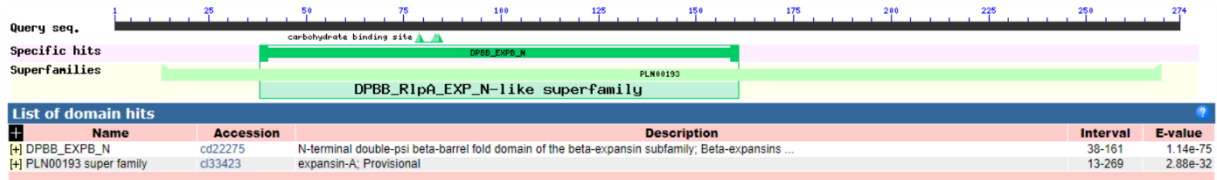
## EXTERNAL RESOURCES

<http://rice.uga.edu/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OstEXPB-02

MALAAKLLPSIVAFVALACCVLRSSVASVDHHRKLSGWSIGGATWYGPANGSGTDG  
GACGYQGDVVGQPPFNSMIAAGSPSIYESGKGCSCYQVKCSGNPSCSGKPVTVVLT  
LCPGGACLEEPVHFDSLGTAFGAMAKPGQDDQLRNAGKLPVQYARVPCKWQGV  
AFRVDAGSNQYYLAVLVEDEDGDGDLSAVDLMQSGSGGGGSWAAMQQSWGAV  
WKYNSGPAPLQAPMSIRLTSGSGRTLVASNVIPAGWQPGGTYRSIVNFRRED\*

### CDS (coding sequence)

>OstEXPB-02

ATGGCATTGGCAGCCAAGCTCCTCCCGTCCATCGTCGCGTTCGTGGCTCTCGCCTG  
CTGCGTCCCTCCGCTCATCCGTCGCGTCCGTCGACCACCACCGGAAGCTCTCCGGCT  
GGTCCATCGGCGGCGCGACGTGGTATGGCCCTGCCAACGGCTCTGGAACCGATGG  
TGGCGCGTGTGGGTACCAGGGAGACGTCGGGCAGCCGCCTTTCAACTCCATGATC  
GCCGCCGGCAGCCCGTCCATCTATGAGTCCGGCAAGGGCTGCGGGCTCTTGTTACC  
AGGTGAAGTGCAGCGGCAACCCCTCTTGCTCCGGCAAGCCTGTGACCGTCGTCCT  
CACCGACCTGTGCCCGGCGGCGCGTGCCTCGAAGAGCCCGTCCACTTCGACCTG  
AGCGGGACGGCGTTCGGCGCCATGGCAAACCCGGCCAGGACGATCAGCTCCGC  
AACGCCGGCAAGCTCCCAGTCCAATACGCTAGGGTGCCGTGCAAATGGCAGGGG  
GTGGACATCGCGTTCGGGTGGACGCCGGCTCCAACCAGTACTACCTCGCCGTGC  
TGGTCGAGGACGAGGACGGCGACGGCGACCTGTGCGGCGGTGGACCTCATGCAGA  
GCGGCGGCAGCGGCGGCGGCGGATCTTGGGCGGCGATGCAGCAGTCGTGGGGCG  
CGGTGTGGAAGTACAACCTCCGGGCCGGCGCCGCTGCAGGCGCCGATGTCCATCCG  
CCTCACGTCCGGCTCCGGCCGGACGCTCGTCGCCAGCAACGTCATCCCCGCCGGG  
TGGCAGCCCGGCGGCACGTACCGGTCCATCGTGAACCTTCAGGAGGGAGGATTGA

### Nucleotide

>OstEXPB-02

ATGGCATTGGCAGCCAAGCTCCTCCCGTCCATCGTCGCGTTCGTGGCTCTCGCCTG  
CTGCGTCCCTCCGCTCATCCGTCGCGTCCGTCGACCACCACCGGAAGCTCTCCGGCT  
GGTCCATCGGCGGCGCGACGTGGTATGGCCCTGCCAACGGCTCTGGAACCGATGG

TACATCTACCTCACGGACTCGATCGATCATCACCAGAGGATGGACCATATATGCG  
AGCGGCCTGCAGGCTTAATTAGTACTGACGAGGCGTGCTGCATGTTGATGTAGGT  
GGCGCGTGTGGGTACCAGGGAGACGTCGGGCAGCCGCCTTTCAACTCCATGATCG  
CCGCCGGCAGCCCGTCCATCTATGAGTCCGGCAAGGGCTGCGGCTCTTGTTACCA  
GGTTCGATCGTTCAATTCGTCTCGCCAGCTGATATATCTTTTAATACTCTTTTGTG  
CTTTCCAAGAATAAGACAGTCAACTCTAACGTTTACTCGTTTTGTTTGCTACTCCTA  
CTGCCAATTTGGGAATTAAATTCTGCAGGTGAAGTGCAGCGGCAACCCCTCTTGC  
TCCGGCAAGCCTGTGACCGTCGTCCTACCGACCTGTGCCCCGGCGGGCGCGTGCC  
TCGAAGAGCCCGTCCACTTCGACCTGAGCGGGACGGCGTTTCGGCGCCATGGCAA  
AACCCGGCCAGGACGATCAGCTCCGCAACGCCGGCAAGCTCCCAGTCCAATACG  
CTAGGTAATCAAGATATCTATCTCTATCCATCTGTATATCTCTATCTAGATCAATC  
AATCCCATATATATCCTACAGCTATAGCTAGCAACAGTCGATCAAGTGTGCGTAG  
TATATCTCGCATTGTCACATGCATTTAAACGCATCCGGGACAATTTCTTTGGGCTG  
CTTGTCACGACGCACGCAAACCACGGGGCCCGTGTCATGCATGGCAGCCGTCGTGA  
ACCGGTCGACCAACTGTGTGATCTCTTCCTCTCGATCGTCCGTGATCGATCTACAT  
GCATGCTACCGTGTGTGCAGGGTGCCGTGCAAATGGCAGGGGGTGGACATCGCG  
TTCCGGGTGGACGCCGGCTCCAACCAGTACTACCTCGCCGTGCTGGTCGAGGACG  
AGGACGGCGACGGCGACCTGTCGGCGGTGGACCTCATGCAGAGCGGGCGGCAGCG  
GCGGCGGCGGATCTTGGGCGGGCGATGCAGCAGTCGTGGGGCGCGGTGTGGAAGT  
ACAACTCCGGGCCGGCGCCGCTGCAGGCGCCGATGTCCATCCGCCTCACGTCCGG  
CTCCGGCCGGACGCTCGTCGCCAGCAACGTCATCCCCGCCGGGTGGCAGCCCGGC  
GGCACGTACCGGTCCATCGTGAACCTTCAGGAGGGAGGATTGA