

## IDENTIFICATION

**Species:** *Oryza sativa*

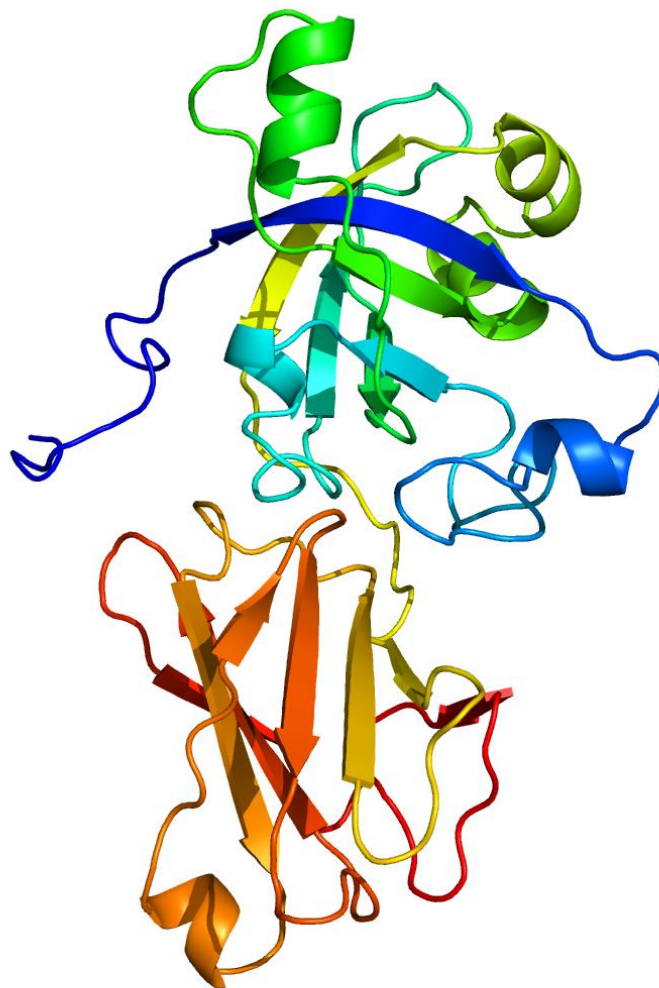
**Locus:** LOC\_Os03g44290

**Gene Model:** LOC\_Os03g44290.2

**Description:** OstEXPB-10

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

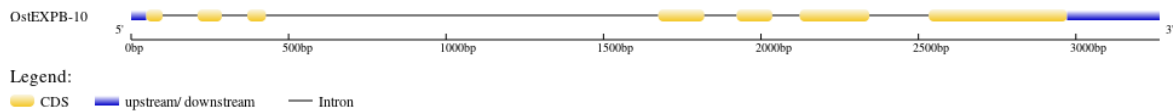
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Osativa\\_v7\\_0](https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0)

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

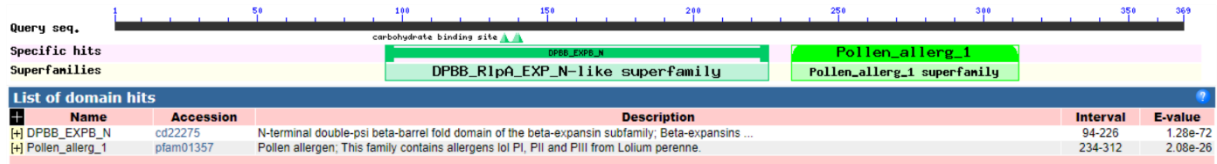
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OstEXPB-10

MPAAAPRVASAASGSASATRGVRVARDKSGGGKLEERTAVAVAVKVVVDPQRLR  
MAAFEPHRLQLLYFIAITVLASVFQPCTSIELHRELSGWSNGIATWYGDPNGAGSEGG  
ACGYQYAVDQPPFSSRIAAGSPYIYDSGKGCSCYRVVCAGNEACSGIPVTVVITDQG  
PGGPCLEELVDGQCMNEAAHFDMSGTAFGAMARPGQADQLRGAGLLQIQYTRVEC  
EWTGVGLTFVVDSGSNPNYLALLVEYDDNDSLAAVDIMPIGAGASGSWIPMQQSW  
GAVWRLNSGSALQGPFSVRLTFSSGQMFVASNAIPAGWNPGMAYQPGGVAMRVRG  
RNGGRRGYEAVGMLGGLCHLLLLLLLLMLFEL\*

### CDS (coding sequence)

>OstEXPB-10

ATGCCGGCCGCGCCCTCGCGTGGCCTCTGCCGCCTCCGGATCCGCCTCAGCGA  
CGAGGGGCGTGCGGGTGGCGAGGGACAAAAGCGGCGGAGGGAAGCTGGAGGAG  
CGGACGGCCGTTGCAGTTGCAGTGAAGGTGGTGGTGGTGGATCCGCAGCGCCTGC  
GCATGGCGGCCTTCGAGCCCCATCGGCTTCAGCTCTTGTACTTCATTGCCATTACA  
GTGCTCGCTTCGGTGTTCACACCTTGCACGTCCATTGAGCTCCACCGTGAGCTCTC  
TGGCTGGTTCGAATGGCATTGCTACATGGTATGGCGATCCTAATGGTGCAGGAAGT  
GAAGGCGGTGCATGTGGGTACCAGTATGCTGTTGACCAGCCACCGTTCTCATCCA  
GGATTGCTGCTGGTAGCCCCTACATCTATGACTCTGGCAAGGGATGTGGTTCGTG  
CTACCGGGTGGTGTGTGCTGGTAATGAAGCTTGCTCTGGTATCCCTGTAACCGTTG  
TCATCACTGACCAGGGGCTGGTGGCCCATGCTTGGGAAGAGCTAGTCGATGGTCA  
ATGCATGAATGAAGCAGCTCACTTTGACATGAGCGGGACAGCATTCCGGTGCCATG  
GCGAGGCCTGGCCAGGCTGATCAACTCCGTGGTGGTGGCCTCCTCAAATTCAGT  
ACACCCGTGTGGAGTGTGAATGGACTGGAGTAGGGCTAACCTTTGTCGTGGACTC  
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GACCTTGCGGCTGTTCGACATCATGCCGATTGGTGGTGGTGGTTCGGGGTCATGGA  
TTCCGATGCAGCAGTCATGGGGCGCAGTGTGGAGGCTCAACTCCGGCTCCGCCCT  
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GCAACGCCATAACCGGCAGGGTGGAAACCCCGGCATGGCGTACCAGCCCGGCGGAG  
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GGATGCTGGGTGGCTTGTGTCACCTTCTACTGCTGCTGTTGTTAATGTTGTTTCGAG  
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**Nucleotide**

>OstEXPB-10

ACTTCAGTCTCGCTACCTCCGCAGCTTCGCCACGCACTCCCACCCCCAATGCCGGC  
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CGGTTACATTTTCCGGCTCTCTCTCTTTTCTCTCTGACGCGACGAGGGGCGT  
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