

## IDENTIFICATION

**Species:** *Oryza sativa*

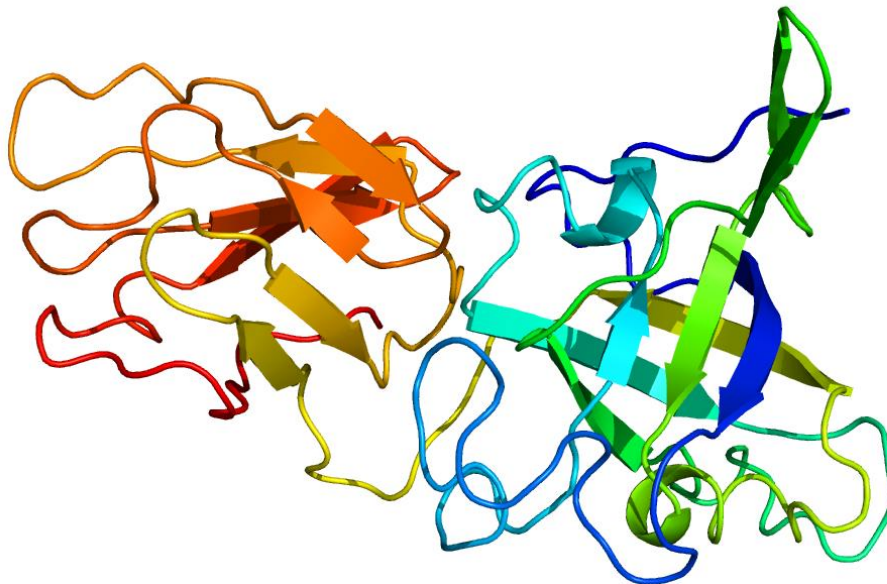
**Locus:** LOC\_Os02g51040

**Gene Model:** LOC\_Os02g51040.1

**Description:** OstEXPA-11

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

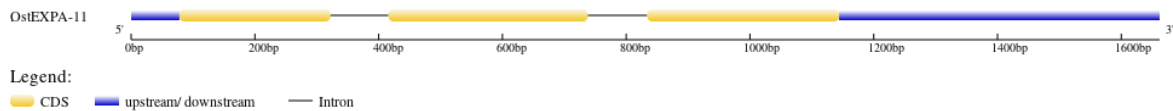
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Osativa\\_v7\\_0](https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0)

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

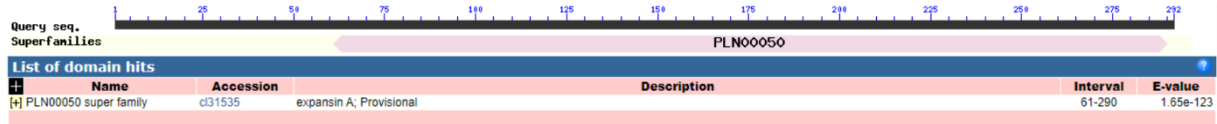
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OstEXPA-11

MSSRRDVLAVVLVAALLPALSRLWLGHHLGLGHGHGRWRAPHVGGHGGQGGPQ  
QHAPLGGGGWSSAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAALSTALFNN  
GLSCGACFEVRCADAGGGGSHSCLPGSVVVTATNFCPPNNALPSDDGGWCNPPRAHF  
DMSQPVFQRIALFKAGIVPVS YRRVACQKKGGIRFTINGHSYFNLVLTNVGGAGDV  
HAVAVKSERSAAWQALSRNWGQNWQSAALLDGQALSFRVTTGDGRSVVSNNAVP  
RGWSFGQTFSGAQFN\*

### CDS (coding sequence)

>OstEXPA-11

ATGTCGTC CCGCCGAGACGTCCTCGCTGTTGTCCTCGTGGCCGCGCTGCTCCCGCC  
GGCGTTGTCCCGTGGGCTTTGGCTGGGGCACACGGGCTGGGGCACGGGCACGG  
GCGATGGCGCGCGCCGCATGTCGGCGGACACGGCCAGGGACAGGGGCCGCAGCA  
GCACGCGCCGCTCGGCGGCGGCGGGTGGTCGTCGGCGCACGCCACGTTCTACGGC  
GGGGGTGACGCGTCGGGCACCATGGGAGGGGCGTGCGGGTACGGGAACCTCTAC  
AGCCAGGGGTACGGGACGAACACGGCGGCGCTGAGCACGGCGCTGTTCAACAAC  
GGCCTCAGCTGCGGCGCGTGCTTCGAGGTGCGCTGCGACGCCGGCGGCGGG  
AGCCACTCGTGCTGCCCGGCTCGGTTCGTCGTCACGGCCACCACTTCTGCCCGC  
CGAACAACGCGCTCCCGTCCGACGACGGCGGCTGGTGCAACCCTCCGCGCGCGC  
ACTTCGACATGTCCCAGCCGTCTTCCAGCGCATCGCTCTCTTCAAGGCCGGCATT  
GTCCCGTCTCCTACCGCCGGGTGGCTTGCCAGAAGAAGGGCGGGATCCGGTTCA  
CCATCAACGGGCACTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGGCGGGCGC  
CGGCGACGTGCACGCGGTGGCCGTGAAGTCGGAGCGCTCGGCGGCGTGCCAGGC  
CCTGTCGCGCAACTGGGGCCAGAACTGGCAGAGCGCCGCGCTCCTCGACGGTCA  
GGCGTCTCCTTCCGCGTCAACCAGGGCGACGGCCGCTCCGTCGTCTCCAACAAC  
GCCGTCCCCCGTGGCTGGTCCTTCGGCCAGACCTTCAGCGGGGCCAGTTCAACT  
GA

### Nucleotide

>OstEXPA-11

ACTCCACACTCCACGCCTCCGCCCCTCTCGTCGCAGCGCACCCCGTCGCGTGCG  
ACGACTCCATCCCCGTCACAACAATGTCGTCGCCGAGACGTCCTCGCTGTTGT

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ACAACGGCCTCAGCTGCGGGCGCGTGCTTCGAGGTGCGCTGCGACGCCGGCGGGCG  
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GCGCACTTCGACATGTCCCAGCCCGTCTTCCAGCGCATCGCTCTCTTCAAGGCCG  
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TCGCGTTTCGCTTTCTTGGATCTACCGGAACTTACTGACCATGGCGTGCGTGCTCT  
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