

## IDENTIFICATION

**Species:** *Oryza sativa*

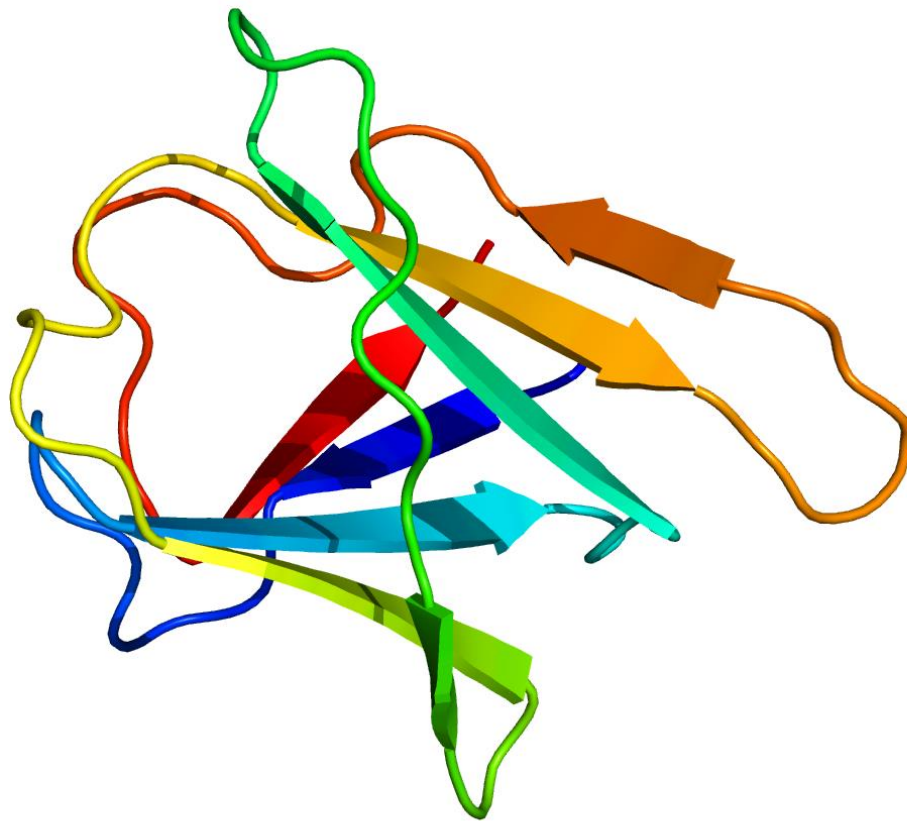
**Locus:** LOC\_Os06g45210

**Gene Model:** LOC\_Os06g45210.1

**Description:** OstEXPB-16

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

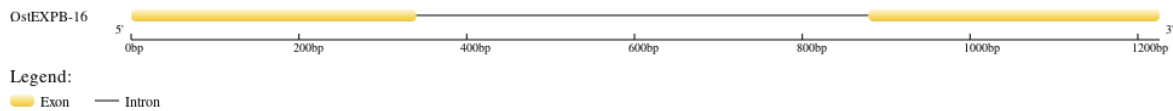
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Osativa\\_v7\\_0](https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0)

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

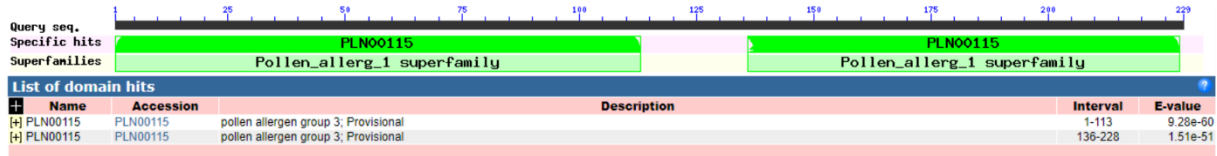
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OstEXPB-16

MASLSSFRLAVAVAALLVVGSCATEVTFKVGEGSSGKSLELVTNVAISEVEIKEKGG  
KDWVALKESSTNTWSLKSEAALKGPFSVRFLVKNGGYRVVDDVIPESFTAGSEYKSV  
VMRMEAKPALRGAKLSFISYEVTFKVGEEASSGKSLELVTNVAISKVEIKEKGSKDW  
VTLKESSTNTWTIKSEAPLKGPFSSIRFLAKNGGYRVVDDVIPESFTAGSKYKSGINI\*

### CDS (coding sequence)

>OstEXPB-16

ATGGCCTCGTTGTCCTCCTTCCGGCTCGCCGTGGCAGTGGCGGCATTGTTGGTTCGT  
CGGCTCATGCGCCACTGAGGTACCTTCAAGGTTCGGTGAGGGCTCTAGCGGAAAA  
AGTCTAGAGCTCGTCACCAACGTCGCCATCTCTGAGGTGGAGATCAAGGAGAAG  
GGCGGCAAGGACTGGGTGGCGCTCAAGGAGTCGTCGACTAACACCTGGTCGCTC  
AAGAGTGAGGCGGCGCTCAAGGGCCCCTTTTCCGTCCGCTTCCTTGTCGAAGAACG  
GCGGCTACCGTGTCGTCGACGACGTCATCCCCGAAAGCTTTACGGCCGGCTCTGA  
ATACAAGAGTGTGGTAATGGATAGAATGGAAGCGAAGCCAGCTTTGAGAGGTGC  
TAAGTTAAGCTTCATATCATATGAGGTACCTTCAAGGTTCGGTGAGGCCTCTAGC  
GGAAAAAGTCTGGAGCTCGTCACCAACGTCGCCATCTCTAAGGTGGAGATCAAG  
GAGAAGGGCAGCAAGGACTGGGTGACGCTCAAGGAGTCGTCAACTAACACATGG  
ACAATCAAAGTGAAGGCGCCGCTCAAAGGACCCTTCTCCATCCGCTTCCTTGCCA  
AGAATGGTGGCTACCGTGTTGTTGACGACGTCATCCCCGAAAGCTTTACGGCCGG  
CTCTAAATATAAGAGTGGCATCAACATCTAA

### Nucleotide

>OstEXPB-16

ATGGCCTCGTTGTCCTCCTTCCGGCTCGCCGTGGCAGTGGCGGCATTGTTGGTTCGT  
CGGCTCATGCGCCACTGAGGTACCTTCAAGGTTCGGTGAGGGCTCTAGCGGAAAA  
AGTCTAGAGCTCGTCACCAACGTCGCCATCTCTGAGGTGGAGATCAAGGAGAAG  
GGCGGCAAGGACTGGGTGGCGCTCAAGGAGTCGTCGACTAACACCTGGTCGCTC  
AAGAGTGAGGCGGCGCTCAAGGGCCCCTTTTCCGTCCGCTTCCTTGTCGAAGAACG  
GCGGCTACCGTGTCGTCGACGACGTCATCCCCGAAAGCTTTACGGCCGGCTCTGA  
ATACAAGAGTGGTATCAACGTCTAATTAATAGACATGCGTACTCTTGCATTGAGT

TGCATGATAATTATTAACCTCTAAATAATTTTGTCTTGTAAGAGATCACGCTACGC  
GTGAGCAAGCAAACAATTAATTTCTTGTGGTTATTTTGTGGTAATAAGCCAGTGG  
TAAAATAAGGCATACATATGTCCTTCCAAAACATTGTTGTGGAGCTATATGTGAA  
CACAATTTTCGAATATATGTTGTTTATAGAGGATGTATGGAAAAATATTATATTTG  
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TTACAGTTTTTTTTTAAAAAATAATTTGTGGAAAGAAATTGTTGAATCGATCA  
CTCCGTGACATGAAACTACAAGCATAAAGAATCAGCACATCGTTTAGCTTATTCA  
GATGCTAGAACAAAATGTAAGTCGCATTAATAATATCTCCAACATGAATAAGTGG  
TAATGGATAGAATGGAAGCGAAGCCAGCTTTGAGAGGTGCTAAGTTAAGCTTCAT  
ATCATATGAGGTCACCTTCAAGGTCCGGTGAGGCCTCTAGCGGAAAAAGTCTGGAG  
CTCGTCACCAACGTCGCCATCTCTAAGGTGGAGATCAAGGAGAAGGGCAGCAAG  
GACTGGGTGACGCTCAAGGAGTCGTCAACTAACACATGGACAATCAAAGTGAG  
GCGCCGCTCAAAGGACCCTTCTCCATCCGCTTCCTTGCCAAGAATGGTGGCTACC  
GTGTTGTTGACGACGTCATCCCCGAAAGCTTTACGGCCGGCTCTAAATATAAGAG  
TGGCATCAACATCTAA