

## IDENTIFICATION

**Species:** *Oryza sativa*

**Locus:** LOC\_Os03g01630

**Gene Model:** LOC\_Os03g01630.1

**Description:** OstEXPB-07

**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>

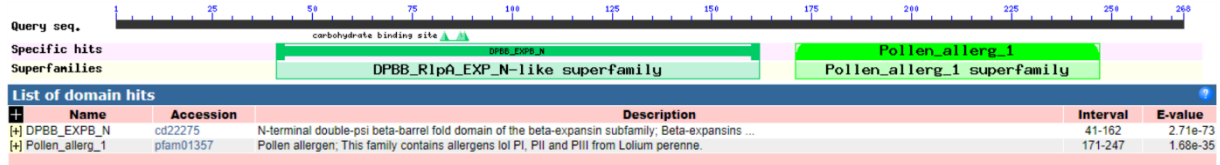
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OstEXPB-07

MASSCLLLACVVAAAMVSAVSCGPPKVPPGNITAAYGKQWLEARGTWYGKPKGA  
GPDDNGGACGYKDIDKAPFLGMNSCGNDPIFKDGKCGSCFEVKCSKPEACSDKPMI  
IHITDMNTEPIAAHYHFDLSGHAFGAMAKEGKDEELRKAGIIDMQFRRVRCKYPGETK  
VTFHVEKGSNPNYFAVLVKYVGGDGDVVKVELKEKGSEEWKPLNESWGAIWRIDTP  
KPLKGPFSLRVTTESDQKLVANDVIPDNWKANALYKSEIQVD\*

### CDS (coding sequence)

>OstEXPB-07

ATGGCATCCTCTTGTCTCCTTCTGGCCTGTGTCGTGGCAGCGGCCATGGTGTCTGC  
AGTGTTCATGTGGGCCGCCCAAGGTGCCGCCTGGCCCCAACATCACTGCGGCCTAC  
GGCAAACAGTGGCTGGAAGCTAGGGGTACCTGGTACGGCAAGCCAAAGGGTGCC  
GGCCCCGACGACAACGGCGGCGCTTGTGGGTACAAGGACATTGACAAGGCTCCC  
TTCCTCGGCATGAACTCATGTGGCAATGACCCTATCTTCAAGGATGGCAAGGGCT  
GCGGCTCCTGCTTTGAGGTCAAGTGTTCGAAGCCAGAGGCCTGCTCCGACAAGCC  
CGTCATCATCCACATCACCGACATGAACACTGAGCCTATCGCCGCCTACCACTTC  
GACCTCTCCGGCCATGCTTTTGGTGCCATGGCTAAGGAAGGCAAGGATGAGGAAC  
TCCGCAAGGCGGGAATTATCGATATGCAGTTTCGTTCGCGTCCGCTGCAAGTACCC  
TGGTGAGACTAAGGTCACCTTCCACGTTGAGAAGGGCTCCAACCCCACTACTTT  
GCAGTGCTTGTCAAGTACGTCGGTGGTGACGGTGATGTCGTGAAGGTGGAACTTA  
AGGAGAAAGGCTCTGAGGAGTGGAAGCCACTCAACGAGTCATGGGGTGCTATCT  
GGAGGATAGACTCCCAAGCCACTCAAGGGCCCCCTTCTCCCTCCGTGTCACCAC  
CGAGTCTGACCAGAAGCTTGTGCGCAACGACGTCATCCCCGATAATTGGAAGGCC  
AACGCTCTTACAAATCAGAGATCCAAGTCGACTAA

### Nucleotide

>OstEXPB-07

ATCATTCACAAATAACTAACCCATCAGCAACAATGGCATCCTCTTGTCTCCTTC  
TGGCCTGTGTCGTGGCAGCGGCCATGGTGTCTGCAGTGTTCATGTGGGCCGCCCAA  
GGTGCCGCCTGGCCCCAACATCACTGCGGCCTACGGCAAACAGTGGCTGGAAGCT

AGGGGTACCTGGTACGGCAAGCCAAAGGGTGCCGGCCCCGACGACAACGGCGGC  
GCTTGTGGGTACAAGGACATTGACAAGGCTCCCTTCCTCGGCATGAACTCATGTG  
GCAATGACCCTATCTTCAAGGATGGCAAGGGCTGCGGCTCCTGCTTTGAGGTCAA  
GTGTTCCAAGCCAGAGGCCTGCTCCGACAAGCCCGTCATCATCCACATCACCGAC  
ATGAACACTGAGCCTATCGCCGCCTACCACTTCGACCTCTCCGGCCATGCTTTTGG  
TGCCATGGCTAAGGAAGGCAAGGATGAGGAACTCCGCAAGGCGGGAATTATCGA  
TATGCAGTTTCGTCGCGTCCGCTGCAAGTACCCTGGTGAGACTAAGGTCACCTTC  
CACGTTGAGAAGGGCTCCAACCCCAACTACTTTGCAGTGCTTGTCAAGTACGTCG  
GTGGTGACGGTGATGTCGTGAAGGTGGAACTTAAGGAGAAAGGCTCTGAGGAGT  
GGAAGCCACTCAACGAGTCATGGGGTGCTATCTGGAGGATAGACTCCCAAGC  
CACTCAAGGGCCCCTTCTCCCTCCGTGTCACCACCGAGTCTGACCAGAAGCTTGT  
CGCCAACGACGTCATCCCCGATAATTGGAAGGCCAACGCTCTCTACAAATCAGAG  
ATCCAAGTCGACTAAGCCTGCATGGAATTCTTCCGTTGTCTAGCTACCTATGCACA  
CAGGGGACGGAAAAAAATGTATTTTAAATTTAAAAAATAGAGCTAGGTTTGTGG  
AGTGAGCAGAAAGTCTATCGGTCTATGGTGTCTGCTCTCCTACCTGGGCCCATGA  
TCGAGTCTTCAATTCTCGATCAGAAAATTTTGATATTAATTTTACGCTTTCA  
ATTCTAAGGGATTGTCAACGTGAAATTCAATTCCTTAAAAATAATAGGGAGTATC  
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