

## IDENTIFICATION

**Species:** *Oryza sativa*

**Locus:** LOC\_Os06g41700

**Gene Model:** LOC\_Os06g41700.1

**Description:** OstEXPA-28

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

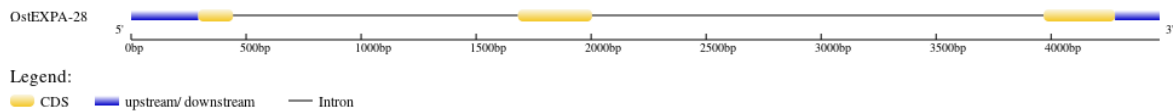
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Osativa\\_v7\\_0](https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0)

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

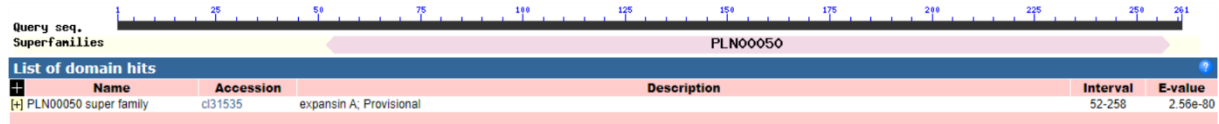
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OstEXPA-28

MSSVLLFLLLLLLSGVSLSGCIRLGNNGGYEEWRMGSATYIKESLGHPLNDGGGACGY  
GDLDIFRYGRYTAGVSGALFGRGSACGGCYEVRVNHVLWCLRGSPVVTATDFC  
APNLGLSDDYGGWCNFPKEHFEMSEAAFLRVAKAKADIVPVQFRRVSCDRAGGMRF  
TITGGASFLQVLITNVAADGEVA AVKVKGSRTGWIPMGRNWGQNWQCDADLRGQP  
LSFEVTGGRGRTVVAYSVAPPDWMFAQTFEGKQFVE\*

### CDS (coding sequence)

>OstEXPA-28

ATGAGCTCAGTGCTGCTGTTCTTGCTTCTGCTGCTGCTTTCTGGAGTGAGCTTGAG  
TGGCTGCATAAGGCTTGGCAATGGCGGGTATGAGGAGTGGAGGATGGGCTCGGC  
GACCTACATCAAGGAGTCCCTGGGGCACCCGCTGAATGATGGTGGTGGAGCCTGT  
GGGTACGGCGACCTGGACATCTTCAGGTACGGGAGGTACACCCGCCGGCGTGAGC  
GGCGCGCTGTTTCGGGCGCGGCAGCGCGTGCGGGCGGCTGCTACGAGGTGCGGTGC  
GTGAACCACGTGCTGTGGTGCCTCCGCGGCAGCCCGACGGTGGTGGTGGTGGACGGCCA  
CCGACTTCTGCGCGCCCAACCTCGGACTCTCCGACGACTACGGCGGCTGGTGCAA  
CTTCCCAAGGAGCACTTCGAGATGTCCGGAGGCCGCGTTCCTCCGCGTCGCCAAG  
GCCAAGGCCGACATTGTGCCGGTGCAGTTCGGAGGGTGGAGCTGTGACAGGGCA  
GGGGGGATGAGGTTACCATCACCGGGCGGCGCCAGCTTCCTGCAGGTGCTGATCA  
CGAACGTGGCGGCGGACGGGGAGGTGGCGGCGGTGAAGGTGAAAGGGTCGAGG  
ACCGGGTGGATCCCGATGGGGAGGA ACTGGGGCCAGA ACTGGCAGTGCAGCGCC  
GACCTCCGCGGCCAGCCGCTGTCGTTTCGAGGTACCGGGCGGGAGGGGCCGACG  
GTCGTCGCCTACAGCGTCGCGCCGCGGACTGGATGTTTCGCGCAGACCTTCGAAG  
GCAAGCAGTTCGTCGAGTAG

### Nucleotide

>OstEXPA-28

GCAAATCCCAATAAAGCGAGAGCAGAAAGGAAGGACCCCTTCCACCACTCTCCC  
CCTGTGTTGTGCCTGTGCTCCTCTCATCTTTGACTACCCACGATTCCAGTCTCCCA  
CCACAGGCCAAAACACTGCAACATTTACAGACTTCACAGTTCACAGTGAGTTCAGA  
CCAAGAACACAAGAATACCAAAAAGAACAGCACCAAGA ACTCTCCTCCAATCCA  
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