

## IDENTIFICATION

**Species:** *Oryza brachyantha*

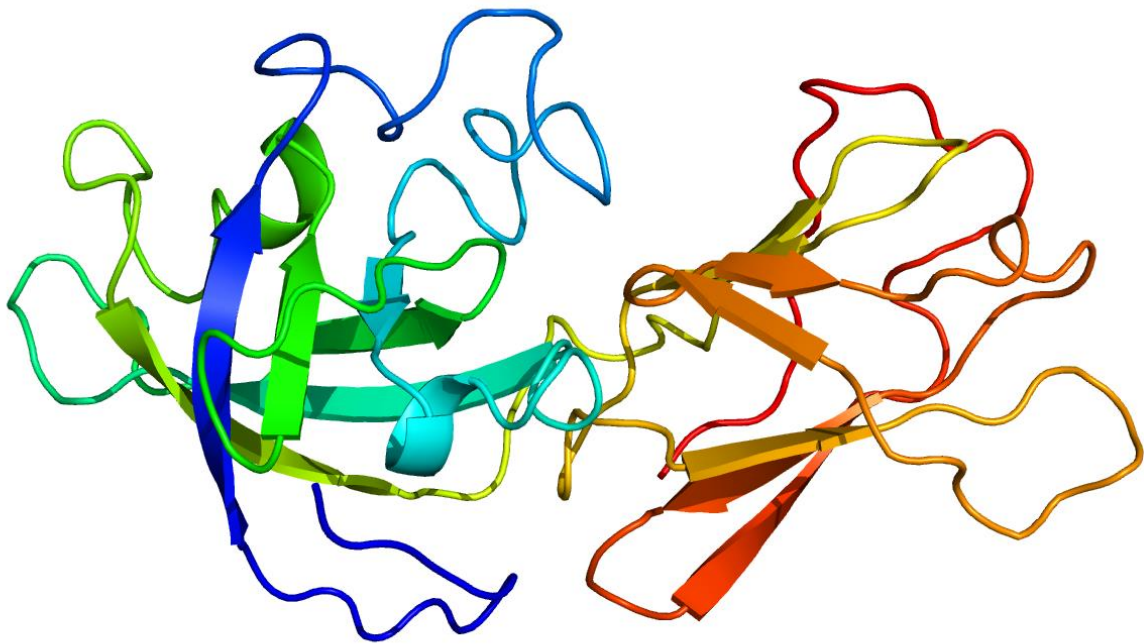
**Locus:** XP\_006662550

**Gene Model:** XP\_006662550.1

**Description:** ObEXPA-29

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

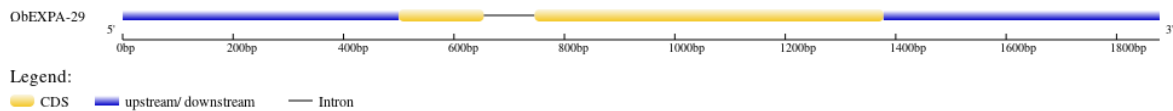
NCBI: [https://www.ncbi.nlm.nih.gov/genome/10862?genome\\_assembly\\_id=1593936](https://www.ncbi.nlm.nih.gov/genome/10862?genome_assembly_id=1593936)

KEGG: <https://www.genome.jp/entry/T02995>

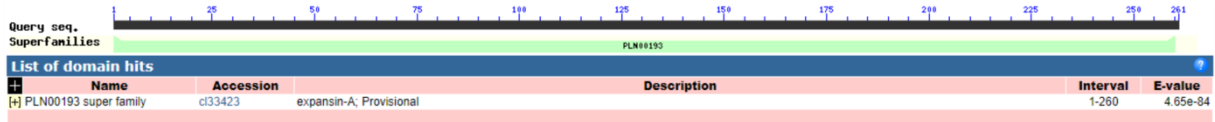
## EXTERNAL RESOURCES

<https://rice-genome-hub.southgreen.fr/organism/1941498>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>ObEXPA-29

MAASSTATAIL AALVVCLTGAVTTVDAGFAAMQWTPAHATFYGDETA SETMGGAC  
GYGNLYASGYGTDTAALSTTLFRDGYGCGTCYQMRCAGTAACYRGS PVITVTATNL  
CPPNWALDSNAGGWGNPPRAHFDSLKPAFMKMADWHAGIVPVMYRRVPCVRS GG  
LRFALQGNAYWLLAYVMNVAGAGDVGDMWVKGGGAGGWVRMSHNWGASYQAF  
AQLGGQALSFKVTSYTTGQTVLAAGVTPPSWCLGLTYQANV NFS

### CDS (coding sequence)

>ObEXPA-29

ATGGCGGCTTCGTCGACGGCGACGGCCATCCTGGCGGCTCTTGTTGTCTGTCTCAC  
CGGCGCTGTGACCACCGTGGACGCCGGGTTTCGCGGCGATGCAGTGGACGCCCTGCC  
CACGCGACGTTCTACGGCGACGAGACGGCGTCGGAGACGATGGGCGGCGCGTGC  
GGGTACGGCAACCTGTACGCGAGCGGGTACGGGACGGACACGGCGGCGCTGAGC  
ACGACGCTGTTCCGGGACGGGTACGGGTGCGGGACGTGCTACCAGATGCGGTGC  
GCGGGGACGGCGGCGTGCTACAGGGGTTTCGCCGGTGATCACCGTGACGGCGACC  
AACCTGTGCCC GCCAACTGGGCGCTCGACTCCAACGCAGGCGGGTGGGGCAAC  
CCGCCGCGGGCCACTTCGACCTTCCAAGCCGGCCTTCATGAAGATGGCCGACT  
GGCACGCCGGCATCGTGCCCGTCATGTACCGGAGGGTGCCCTGCGTCAGGAGCG  
GCGGCCTGCGGTTTCGCGCTGCAGGGGAACGCGTACTGGCTGCTGGCGTACGTCAT  
GAACGTCGCCGGCGCCGGGACGTCGGGGACATGTGGGTGAAGGGCGGCGGCGC  
CGGCGGGTGGGTGCGGATGAGCCAACTGGGGCGCCTCGTACCAGGCGTTTCG  
GCAGCTCGGCGGCCAGGCGCTCAGCTTCAAGGTCACCTCCTACACCACGGCCAG  
ACCGTCCTCGCCGCCGGCGTACGCCGCCGAGCTGGTGCCCTCGGGCTCACGTACC  
AGGCCAACGTCAACTTCTCCTAG

### Nucleotide

>ObEXPA-29

AATATGTTACACCTTTTTCAA ACTAAATAAAAATAAGCTTGTGACCTTATCAGCTG  
GCATGTTCAATTATATTACTCCTCAATTATATCACATTCTCCACAATCTTCTCAA  
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TTGGCAGGATTTGA