

## IDENTIFICATION

**Species:** *Oryza brachyantha*

**Locus:** XP\_006649424

**Gene Model:** XP\_006649424.1

**Description:** ObEXPA-11

**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>

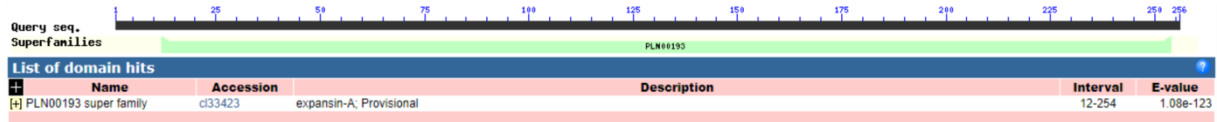
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>ObEXPA-11

MDTAIVFATSLFIAVLAAAGFAPAQADWNKGTATFYGGADASGTMGGACGYGNLY  
AAGYGTNTAALSSVLFNDGWSCGQCYLIMCDGAATPQWCRAGAAVTVTATNLCPP  
NWALPNNNGGWCNPPRPHFDMAEPAWLQIGIYKAGIIPVLYQQVKCWRQGGIRFTV  
GGFNFFELVLSNVAGSGSVRSVSVKGGSTGWITLNRNWGANWQCNSGLVGQPLSF  
AVTSTGGQTLAYNVVPSWWTFGMTFTSNQQFSY

### CDS (coding sequence)

>ObEXPA-11

ATGGACACGGCGATCGTCTTCGCCACGTCGTTGTTTCATCGCGGTGCTAGCAGCAG  
CCGGCTTCGCGCCGGCACAGGCCGACTGGAACAAAGGGACGGCGACGTTCTACG  
GCGGCGCCGACGCCTCCGGCACGATGGGTGGCGCGTGCGGGTACGGGAACCTGT  
ACGCGGGCGGGGTACGGGACGAACACGGGCGGCGCTGAGCTCGGTGCTGTTCAACG  
ACGGGTGGTTCGTGCGGGCAGTGCTACCTGATCATGTGCGACGGCGCCGCGACGCC  
GCAGTGGTGCAGGGCGGGCGCCGCGGTGACCGTCACGGCCACCAACCTGTGCCC  
GCCCAACTGGGCGCTCCCCAACAACAACGGCGGCTGGTGCAACCCGCCACGCCCT  
CACTTCGACATGGCCGAGCCCCTGGCTCCAGATCGGCATCTACAAGGCCGGCA  
TCATCCCCGTCCTCTACCAGCAGGTGAAGTGCTGGAGGCAGGGAGGGATCAGGTT  
CACGGTGGGAGGGTTCAACTTCTTCGAGCTGGTGTGCTGGAACGTGGCGGGG  
AGCGGGTCGGTGAGGTCGGTGTTCGGTGAAGGGGGGAAGCACGGGGTGGATCACG  
CTGAACCGGAAC TGGGGCGCGAACTGGCAGTGCAACTCGGGGCTCGTCGGCCAG  
CCGCTCTCCTTCGCCGTCACCTCCACCGGCGGCCAGACGCTCTACGCCTACAACG  
TCGTGCCAGCTGGTGGACCTTCGGCATGACCTTCACCAGCAACCAGCAATTCAG  
CTATTAGACGCACACGTGTCAATTCGTTTGACAATGACCTTAAGTCGGGA

### Nucleotide

>ObEXPA-11

AGCACAGTTCATTCCAAATTATAGTTTTCTCCATAAATTATCGAACTAATATCTGA  
GTAGATCCATTTTGTTCGGCAAGTACGGATACTGAACATGCAAGGTACATGCA  
TGAAATGTATAGTTTTTCTAGGTCATGCTTATCAGGAGAAAATGCTAAGCCGTGC  
TGATGATGCCTGATGCTGCACGCCAGCTTGCAGACGTTTCGACCACCTAATTGA  
ACGCGCAGTTCTTTCTGCCTCCAGGTTTCAGCATCCATTTGCTTGCATGCATGCAT

GTGAGCCTAGCTTGCCTAGTCAGTAGTCACTGAGATATCGGCGGCATGTTCTCT  
GTAATTCTCTGCTCTGATCTGACCATAATTCTCATTCCCTGCTCTTATATAAGCAC  
CTCCACGTTTCGCTGCAAACCATCAGAATTTTCAGAACCTCTTTGCCTGTTACCTC  
CAACTTTACTGTAAACCTCTTGAGTTGCGTTCTCTGCCCGTCTCGTCTCAACGGAG  
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AAATCCACCATCTGTGCGTTGCGTTTGCAAGCGTTTCTCACGGAGGCTGGCTAGC  
TGTGTTGTGCAGGTGGCGCGTGCGGGTACGGGAACCTGTACGCGGGCGGGGTACG  
GGACGAACACGGCGGGCGCTGAGCTCGGTGCTGTTCAACGACGGGTGGTCTGCG  
GGCAGTGCTACCTGATCATGTGCGACGGCGCCGCGACGCCGACGTGGTGCAGGG  
CGGGCGCCGCGGTGACCGTCACGGCCACCAACCTGTGCCCGCCCAACTGGGCGCT  
CCCCAACAACAACGGCGGCTGGTGAACCCGCCACGCCCTCACTTCGACATGGCC  
GAGCCCGCCTGGCTCCAGATCGGCATCTACAAGGCCGGCATCATCCCCGTCCTCT  
ACCAGCAGTAAGCCCATTACTACTACATTAGTAATAATACTTTTACTCTCGTTTTT  
TTCGTTTTCTGCTTATAAACTAAAATTTAAATTTTTTTCAGTTGATTTTAAGGTTTTT  
CATCGAATTTATTTTTCAACCTTTTAGATCGCTAAAAATATGTATATAAAAATTTT  
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GAAACACGGTATAATTGCAAATGCTCCCGTACACAATTACACATCTAGCCTTGTG  
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CGAGCTGGTGCTGGTGTGCAACGTGGCGGGGAGCGGGTTCGGTGAGGTCGGTGTG  
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CACCGGCGGCCAGACGCTCTACGCCTACAACGTCGTGCCAGCTGGTGGACCTTC  
GGCATGACCTTCACCAGCAACCAGCAATTCAGCTATTAGACGCACACGTGTCAAT  
TCGTTTGCACAATGACCTTAAGTCGGGAGATCTGTTACTACTTATAATTAATTCTT  
TTTGGATTAACCTTGTACATGCATGTACATCTTGAATTAATTCCTCATATATATTA  
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GTAGTTGACTAGTCTGAAGAAATGTAGCACGGAATAATATATTTAACTGTCCAGT  
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AGGCGAGCGCCAAGCCACGGCCCGCAAAGGCACAGCCTCCCCCCCCCCCCGCCC  
GCCCGGCTGTCGTGGTGGGCCGGACAAAAG