

IDENTIFICATION

Species: *Oryza sativa*

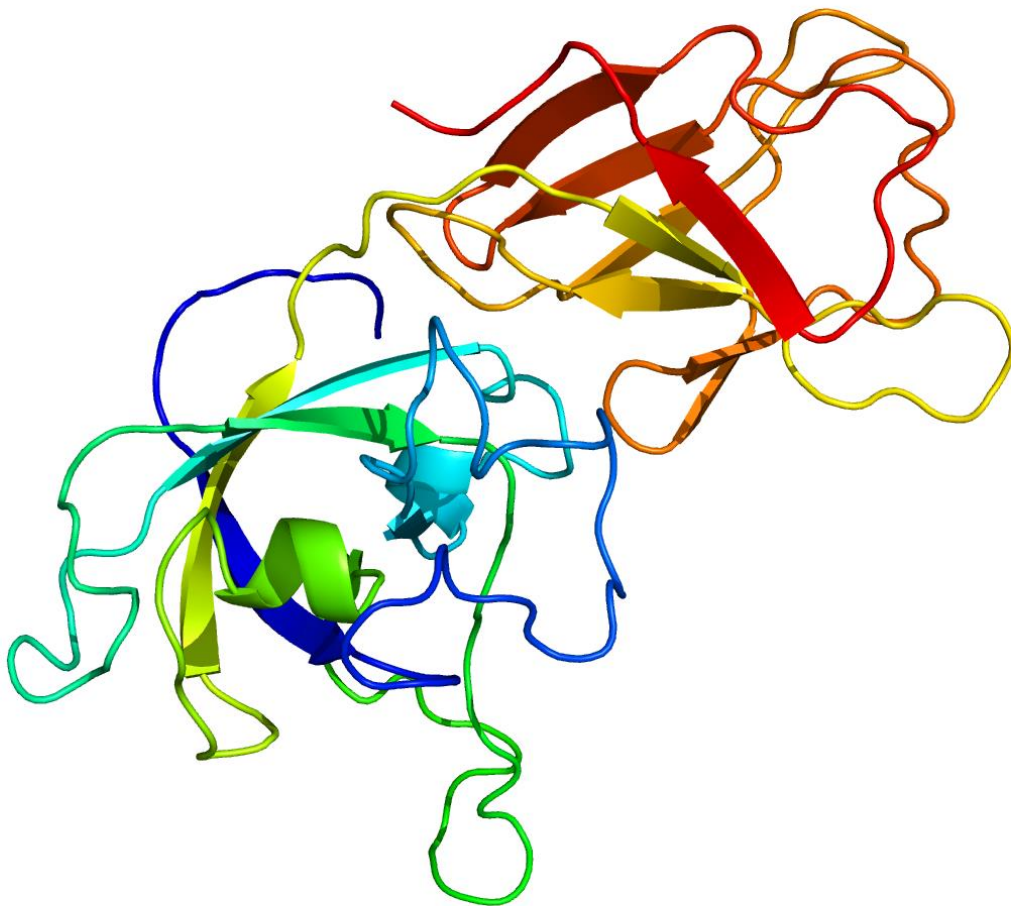
Locus: LOC_Os03g06000

Gene Model: LOC_Os03g06000.1

Description: OstEXPA-12

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

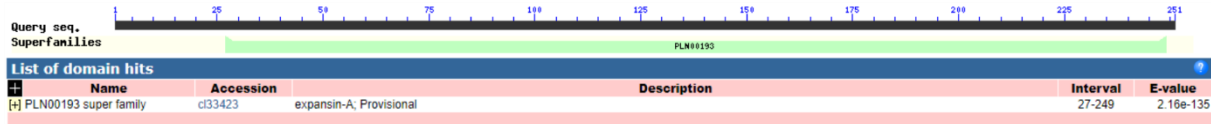
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-12

MARSAFFFHCVAAVAACIAATAAALSGTATFYGGSDASGTMGGACGYGNLYSTGY
GTNTAALSSALFNDGAACGECYQITCDQSNKWKAGTSVTITATNLCPPDYSKPSN
DGGWCNPPRQHFDMAQPAWEQIGVYRGGIVPVNFQRVSCSTRKGGVRFTHINGNSYFE
LVLITNVGGPGSIKSVQIKGKTGWVTMSRNWGANWQANNYLNNQAISFSVTSTAG
KTLVFEDVAPSNWQFGQFTFTSGVQFY*

CDS (coding sequence)

>OstEXPA-12

ATGGCGCGGAGTGCCTTCTTCTTCCACTGCGTCCGCCCGTCGCGGGCGTGCATCG
CCGCGACGGCCGCGGCGCTCAGTGGCACGGCCACGTTCTACGGCGGGAGCGACG
CCTCCGGCACAATGGGCGGCGCGTGCGGGTACGGCAACCTGTACTCGACGGGGT
ACGGGACGAACACGGCGGCGCTGAGCTCGGGCGCTGTTCAACGACGGCGCGGGCGT
GCGGCGAGTGCTACCAGATCACGTGCGACCAGTCCAACCTCGAAGTGGTGCAAGG
CGGGCACGTCGGTGACCATCACCGCGACCAACCTCTGCCCACCGGACTACTCCAA
GCCGAGCAACGACGGCGGCTGGTGCAACCCGCCGCGCCAGCACTTCGACATGGC
GCAACCCGCCTGGGAACAGATCGGGCTTACCGCGGGCGGTATCGTCCCCGTCAAT
TTCCAGAGGGTGTCTGTCACGAGGAAAGGAGGGGTGAGGTTACCATCAACGGG
AACAGCTACTTCGAGCTGGTGCTGATCACCAACGTGGGCGGGCCGGGGTCGATCA
AGTCGGTGCAGATCAAGGGAACAAAGACGGGGTGGGTGACCATGTCCCGGAACT
GGGGCGCCAACCTGGCAAGCCAACAACCTCAACAACCAGGCCATCTCCTTCTC
GGTCACCTCCACCGCCGGCAAGACGCTCGTCTTCGAGGACGTCGCGCCGTCCAAC
TGGCAGTTCGGCCAGACATTCACCAGCGGCGTGCAGTTCTACTAG

Nucleotide

>OstEXPA-12

CCCGCACCGCCTAATTAAGCGCTCGCATCTGAAGCCATTTTCGAGGGACGTCATGG
CGCGGAGTGCCTTCTTCTTCCACTGCGTCCGCCCGTCGCGGGCGTGCATCGCCGC
GACGGCCGCGGCGCTCAGTGGCACGGCCACGTTCTACGGCGGGAGCGACGCCTC
CGGCACAATGGGTATAGTTTAGACATTTGCTAATTAAGCCTGATCAGTTTTACAC
ACACCAATGGACTGGTGCTGACAATGGCGTTTGTGTTGTTGATCGACAGGCGGGCGCG
TGGGGTACGGCAACCTGTACTCGACGGGGTACGGGACGAACACGGCGGGCGCTG

AGCTCGGCGCTGTTCAACGACGGCGCGGCGTGCGGGCAGTGCTACCAGATCACGT
GCGACCAGTCCAACCTCGAAGTGGTGCAAGGCGGGCACGTCGGTGACCATCACCG
CGACCAACCTCTGCCACCGGACTACTCCAAGCCGAGCAACGACGGCGGCTGGT
GCAACCCGCGCGCCAGCACTTCGACATGGCGCAACCCGCCTGGGAACAGATCG
GCGTCTACCGCGGGCGGTATCGTCCCCGTCAATTTCCAGAGGTACGCACATACTCC
GGTCACCGTCGTTTTCGCCGGCCGGCGGCGCACAGAATCAAGTAGTGATCACGTAC
GTATACGTATGTGTGCAGGGTGTCTGTGCACGAGGAAAGGAGGGGTGAGGTTTAC
CATCAACGGGAACAGCTACTTCGAGCTGGTGCTGATCACCAACGTGGGGCGGGCC
GGGGTCGATCAAGTCGGTGCAGATCAAGGGAACAAAGACGGGGTGGGTGACCAT
GTCCCGGAACTGGGGCGCCAACTGGCAAGCCAACAACCTCAACAACCAGGC
CATCTCCTTCTCGGTACCTCCACCGCCGGCAAGACGCTCGTCTTCGAGGACGTC
GCGCCGTCCAACCTGGCAGTTCGGCCAGACATTCACCAGCGGCGTGACAGTTCTACT
AGCTAGCGGCTCGCGCGCGCGCGGGCGGCGCATGAGCCGCCGCCCGCGTCGCG
CGCTTGCCCAACGGCGAGCGGCGCATGCCACCTGCCGCCATTTCCGTTCAATTTTT
GCATTTGGAAAACCTTGTCAAAAAGACCAGCTTATTTAGCATCATTCTGATTGGGG
AAAAAAA