

IDENTIFICATION

Species: *Oryza sativa*

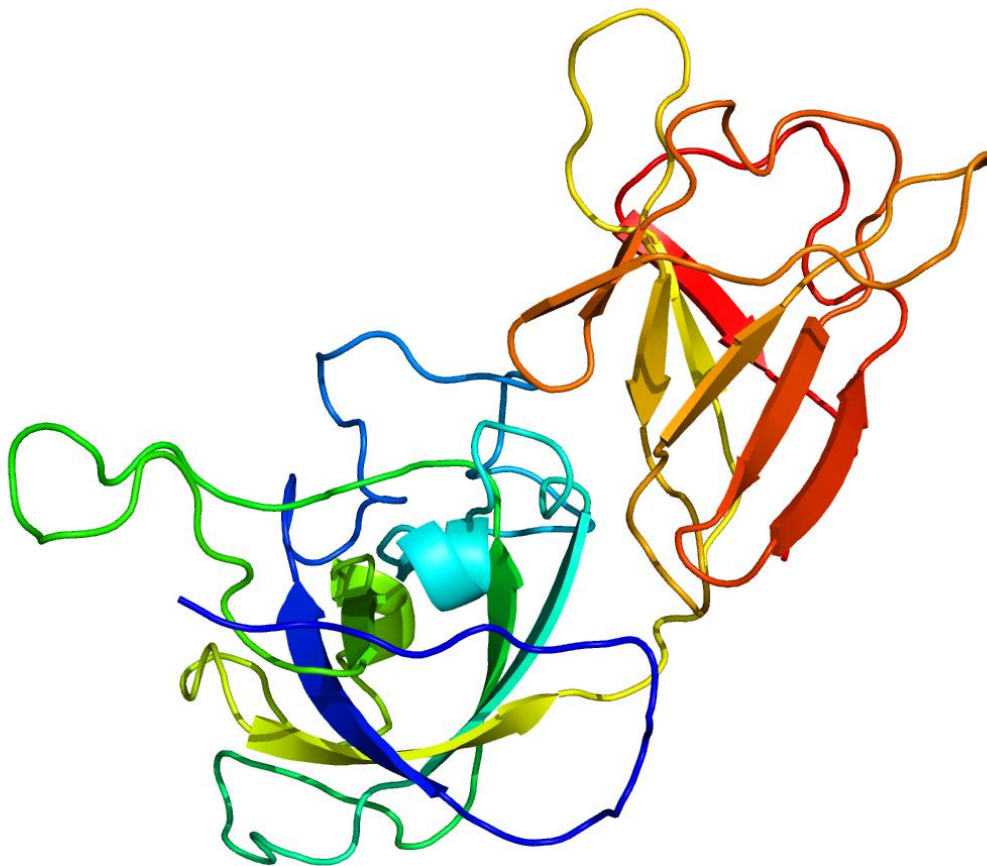
Locus: LOC_Os02g16800

Gene Model: LOC_Os02g16800.1

Description: OstEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

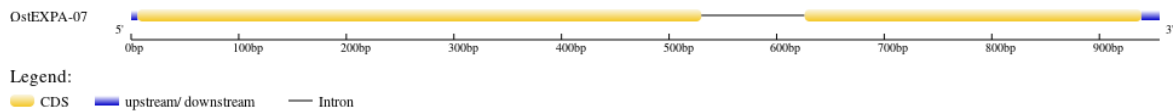
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

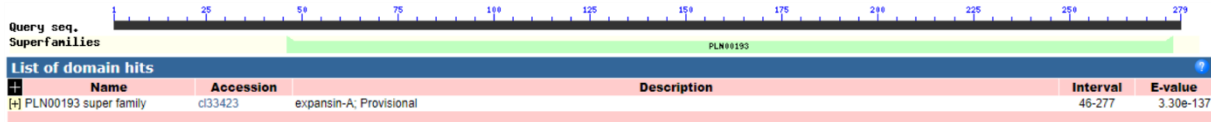
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-07

MADMAPARALALVLLAVAVGSALMAAAQDAPSPPTPMAPSPSTDETPPVWLKAHA
TFYGGADASGTMGGACGYVDLYSQYGTRNAALSTALFNDGASCGQCYKIACDRK
RAPQWCKPGVTVTVTATNFCPPNWNLPSDNGGWCNPPRPHFDMAQPAWEKIGIYRA
GIIPVMYQRVPCVKKGGVRFINGHDYFNLVLVTNVATTGSIKSMDIMGSNSTDWMP
MVRNWWGANWHSLSYLTGQMLSFRVTNMDGQTLVFRNIVPSGWKFGQTFASKLQFK
*

CDS (coding sequence)

>OstEXPA-07

ATGGCGGATATGGCTCCAGCTCGAGCACTCGCCTTGGTGTGCTCGCAGTTGCAG
TCGGCAGCGCGTTGATGGCCGCGGCCAGGATGCGCCGTCGCCACCGACACCGAT
GGCTCCGTCTCCGTCTACCGATGAAACTCCGCCCGTGTGGCTGAAGGCGCACGCG
ACGTTCTACGGCGGGGCGGACGCGTCGGGCACCATGGGCGGGGCGTGC GGCTAC
GTCGACCTGTACTCGCAGGGGTACGGGACGCGGAACGCGGCGCTGAGCACGGCG
CTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACAAGATCGCCTGCGACCGCA
AGAGGGCGCCGCAAGTGGTGCAAGCCCGGCGTCACGGTCACCGTCACCGCCACCA
ACTTCTGCCC GCCAACTGGAACCTCCCCAGCGACAACGGCGGCTGGTGCAACCC
GCCGCGGCCGCACTTCGACATGGCGCAGCCTGCTTGGGAGAAGATTGGCATCTAC
CGTGCTGGCATCATCCCGGTCATGTACCAAAGGGTTCCGTGTGTGAAGAAGGGTG
GGGTGCGGTTTACCATCAATGGGCATGACTACTTTAATCTTGTGCTCGTGACAAA
TGTTGCAACCACTGGTTCGATCAAGTCGATGGACATCATGGGCTCCAACCTCAACC
GACTGGATGCCAATGGTGAGGAACTGGGGTGCAAACCTGGCACTCGCTGTCGTATC
TCACCGGGCAGATGCTCTCCTTCAGGGTGACGAACATGGATGGCCAGACACTAGT
CTTTAGGAACATTGTGCCCTCTGGATGGAAGTTCGGGCAAACATTTGCAAGCAAA
CTGCAGTTCAAGTAA

Nucleotide

>OstEXPA-07

ACGTCCATGGCGGATATGGCTCCAGCTCGAGCACTCGCCTTGGTGTGCTCGCAG
TTGCAGTCGGCAGCGCGTTGATGGCCGCGGCCAGGATGCGCCGTCGCCACCGAC
ACCGATGGCTCCGTCTCCGTCTACCGATGAAACTCCGCCCGTGTGGCTGAAGGCG

CACGCGACGTTCTACGGCGGGGCGGACGCGTCGGGCACCATGGGCGGGGCGTGC
GGCTACGTCGACCTGTACTCGCAGGGGTACGGGACGCGGAACGCGGGCGCTGAGC
ACGGCGCTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACAAGATCGCCTGCG
ACCGCAAGAGGGGCGCCGCAGTGGTGCAAGCCC GGCGTCACGGTCACCGTCACCG
CCACCAACTTCTGCCCGCCCAACTGGAACCTCCCCAGCGACAACGGCGGGCTGGTG
CAACCCGCGCGGGCCGCACTTCGACATGGCGCAGCCTGCTTGGGAGAAGATTGGC
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TAACATATTTGGTGATATTTTCAGGGTTC CGTGTGTGAAGAAGGGTGGGGTGCGG
TTTACCATCAATGGGCATGACTACTTTAATCTTGTGCTCGTGACAAATGTTGCAAC
CACTGGTTCGATCAAGTCGATGGACATCATGGGCTCCA ACTCAACCGACTGGATG
CCAATGGTGAGGAACTGGGGTGCAA ACTGGCACTCGCTGTCGTATCTCACCGGGC
AGATGCTCTCCTTCAGGGTGACGAACATGGATGGCCAGACACTAGTCTTTAGGAA
CATTGTGCCCTCTGGATGGAAGTTCGGGCAAACATTTGCAAGCAA ACTGCAGTTC
AAGTAATTTAATTCCCGGAAAGA