

IDENTIFICATION

Species: *Oryza sativa*

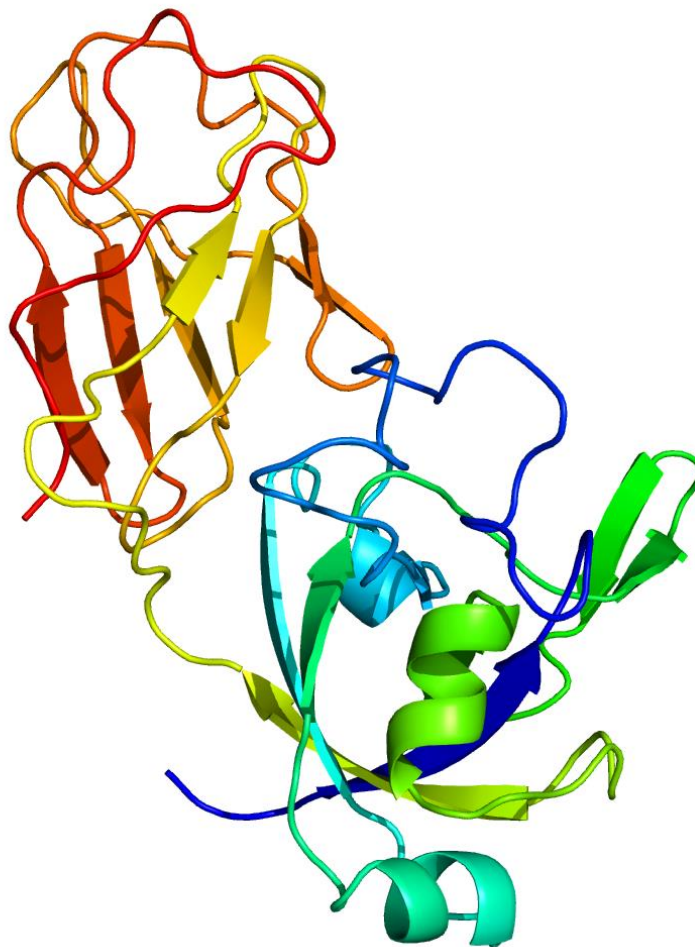
Locus: LOC_Os01g14650

Gene Model: LOC_Os01g14650.1

Description: OstEXPA-01

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>

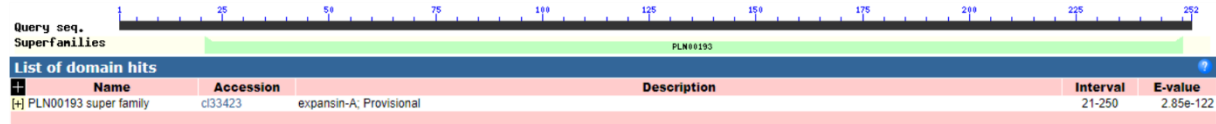
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-01

MAAARMLVLLASLCALLLTASAAKWTPAFATFYGGSDASGTMGGACGYGDLYGAG
YGTRTAALSTALFNGGASCGACFTIACDTRKTQWCKPGTSITVTATNFCPPNYALSG
DAGGWCNPPRRHFDMSQPAWETIAVYRAGIVPVNYRRVPCQRSGGIRFAVNGHSYF
ELVLVTNVGGSGAVAQMWIKSGTGWMAMSRNWGANWQSNARLDGQALSFRVQ
ADDGRVVTAADVAPAGWSFGATYTSSAQFY*

CDS (coding sequence)

>OstEXPA-01

ATGGCGGCCCGCCAGAATGCTCGTGCTCCTGGCCTCTCTCTGCGCTCTCCTGCTCAC
GGCGTCCGCGGCCAAATGGACTCCTGCCTTCGCGACGTTCTACGGCGGCAGCGAC
GCCTCCGGCACCATGGGCGGCGCATGCGGGTACGGCGACCTGTACGGCGCCGGG
TACGGGACGCGGACGGCGGCGCTGAGCACGGCGCTGTTCAACGGCGGCGCGCTCG
TGCGGCGCCTGCTTCACCATCGCCTGCGACACCCGCAAGACGCAGTGGTGCAAGC
CGGGGACGTCCATCACCGTGACGGCGACCAACTTCTGCCCTCCAACTACGCCCT
GTCCGGCGACGCCGGCGGGTGGTGCAACCCGCCGCGCCGCACTTCGACATGTTCG
CAGCCGGCGTGGGAGACGATCGCGGTGTACCGCGCCGGGATCGTGCCCGTGAAC
TACCGCCGCGTGCCGTGCCAGCGGAGCGGCGGCATCCGGTTCGCCGTGAACGGG
CACAGCTACTTCGAGCTGGTGCTGGTGACGAACGTCGGCGGCAGCGGCGCGGTG
GCGCAGATGTGGATCAAGGGGTCCGGGACGGGGTGGATGGCGATGAGCCGCAAC
TGGGGCGCGAACTGGCAGAGCAACGCGCGCCTCGACGGGCAGGCGCTGTCGTTC
CGGGTGCAGGCCGACGACGGCCGCGTCTGTCACGGCGGCCGACGTCGCGCCGGCG
GGGTGGTTCGTTCCGGCGCCACCTACACCTCCTCGGCTCAGTTCTACTGA

Nucleotide

>OstEXPA-01

ACAACACAAGAAGCCAGTTACAATAATTTAGAAGCAAAAGAAAACTGTACCGA
GCTTGCATTGCAGTGACGCGACAATGGCGGCCCGCCAGAATGCTCGTGCTCCTGGC
CTCTCTCTGCGCTCTCCTGCTCACGGCGTCCGCGGCCAAATGGACTCCTGCCTTCG
CGACGTTCTACGGCGGCAGCGACGCCTCCGGCACCATGGGTTAGTAGCAAATTA
GCTCAGCTAATCACCATGCATGTGTTAATTAATCTTTTGCAAAGTTAATTGGCAT
TTACAATAATGGAGTTTGGTCTCTCTCTCGTCTCGTGTGTGATATCCAGGCGGCGC

ATGCGGGTACGGCGACCTGTACGGCGCCGGGTACGGGACGCGGACGGCGGGCGCT
GAGCACGGCGCTGTTCAACGGCGGGCGCGTCGTGCGGGCGCCTGCTTCACCATCGCC
TGCACACCCGCAAGACGCAGTGGTGCAAGCCGGGGACGTCCATCACCGTGACG
GCGACCAACTTCTGCCCCTCCAAACTACGCCCTGTCCGGCGACGCCGGCGGGTGGT
GCAACCCGCCGCGCCGCCACTTCGACATGTTCGCAGCCGGCGTGGGAGACGATCG
CGGTGTACCGCGCCGGGATCGTGCCCGTGAACACCGCCGCGTGCCGTGCCAGCG
GAGCGGCGGCATCCGGTTCGCCGTGAACGGGCACAGCTACTTCGAGCTGGTGCTG
GTGACGAACGTCGGCGGCAGCGGGCGCGGTGGCGCAGATGTGGATCAAGGGGTCC
GGGACGGGGTGGATGGCGATGAGCCGCAACTGGGGCGCGAACTGGCAGAGCAAC
GCGCGCCTCGACGGGCAGGCGCTGTCGTTCCGGGTGCAGGCCGACGACGGCCGC
GTCGTACGGCGGCCGACGTCGCGCCGGCGGGGTGGTCGTTCCGGCGCCACCTACA
CCTCCTCGGCTCAGTTCTACTGATGAGCATTAATTGCAAGCCTATCTCATTTAATT
AATCTGGACCGTTCGATGTAGTATATTGTATGCTTTGATCGACGTGGCATAGGAT
GGAAGAGGCCGCCACGAAGAAAATTTGGGACTTGTGTATATATCATTGTACCGC
ACTTTGTTTTTTTTCTTTTTTGATTTGCTACTGTACTATACGCACGTAAGTTGTGCTT
TTTCTTGT