

IDENTIFICATION

Species: *Oryza sativa*

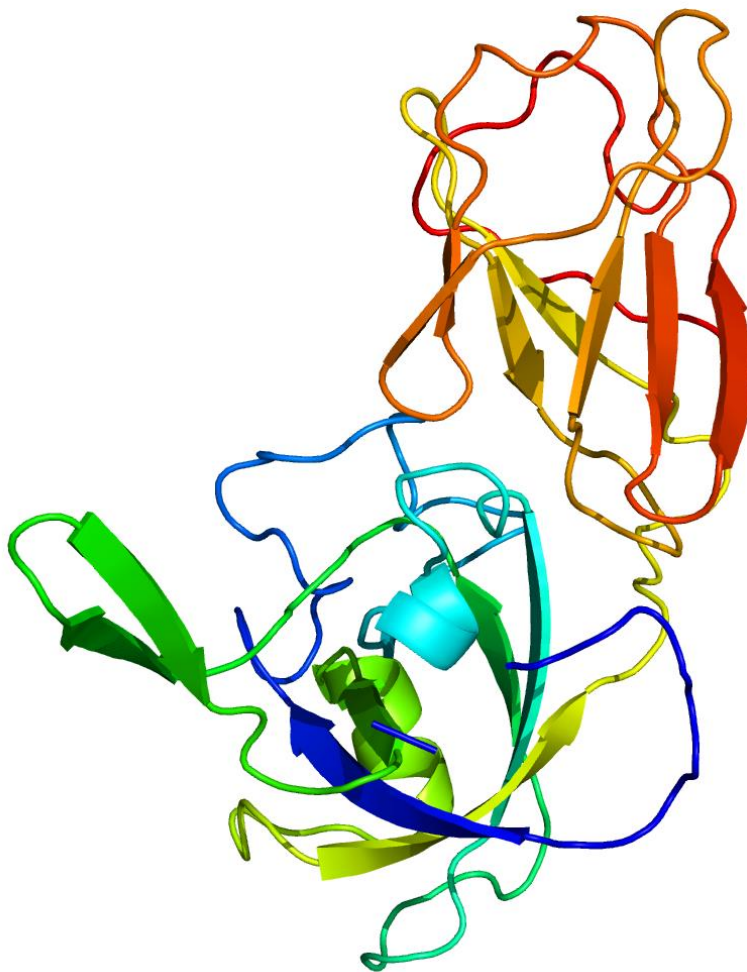
Locus: LOC_Os01g16770

Gene Model: LOC_Os01g16770.1

Description: OstEXPA-03

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>

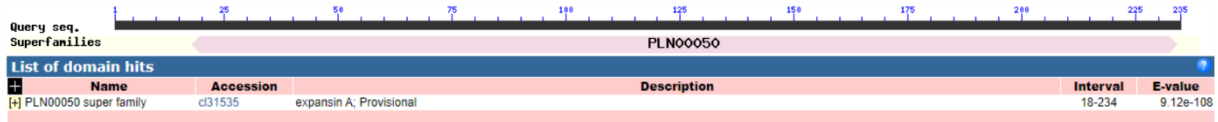
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-03

MAAEVAAGGDSGWSSGSATFYGGSDASGTMGGACGYGNLYSAGYGTSTAALSTAL
FNNGQSCGACFEVRCGGGGSCLAGTVA VTATNLCPPNYALAGDAGGWCNPPRPHFD
MAEPAFTRIAQARAGVVPVQYRRVACAKQGGIRFTITGHSYFNLVLTNVGGAGDV
TAVSVKGRSGWQAMSHNWGANWQNGANLDGQPLSFRVTASDGRTVTSDNVAPS
GWSFGQTFSGGQF*

CDS (coding sequence)

>OstEXPA-03

ATGGCCGCGGAGGTCGCCGCCGGCGGGCGACTCCGGCTGGAGCAGCGGCAGCGCG
ACGTTCTACGGCGGCAGCGACGCGTCGGGGACGATGGGTGGCGCGTGCGGGTAC
GGCAACCTGTACAGCGCCGGGTACGGGACGAGCACGGCGGCGCTGAGCACGGCG
CTGTTCAACAACGGGCAGAGCTGCGGGCGCGTGCTTCGAGGTCCGGTGCGGGCGGC
GGCGGCAGCTGCCTCGCCGGCACCGTGGCGGTGACGGCCACCAACCTCTGCCCGC
CCAACCTACGCGCTCGCCGGCGACGCCGGCGGGTGGTGAACCCGCCGCGGGCCGC
ACTTCGACATGGCGGAGCCGGCGTTCACCAGGATCGCGCAGGCCCGCGCCGGCG
TGGTGCCGGTGCAGTACCGGCGCGTGCGGTGCGCGAAGCAGGGCGGCATCCGGT
TCACCATCACCGGCCACTCCTACTTCAACCTGGTGCTCGTCACCAACGTCGGCGG
CGCCGGCGACGTGACGGCGGTGTCGGTGAAGGGTTCGCGGTTCGGGGTGGCAGGC
CATGAGCCACAACCTGGGGCGCCAACCTGGCAGAACGGCGCCAACCTCGACGGCCA
GCCGCTCTCCTTCAGGGTCACCGCCAGCGACGGCCGCACCGTCACCTCCGACAAC
GTCGCCCCCTCCGGCTGGTCCTTCGGCCAGACCTTCTCCGGCGGCCAGTTCTAG

Nucleotide

>OstEXPA-03

CTACGCTTGCTAGCTGTTGCCGCCGTGGCCGCGATGGCCGCGGAGGTCGCCGCCG
GCGGCGACTCCGGCTGGAGCAGCGGCAGCGCGACGTTCTACGGCGGCAGCGACG
CGTCGGGGACGATGGGTGGCGCGTGCGGGTACGGCAACCTGTACAGCGCCGGGT
ACGGGACGAGCACGGCGGCGCTGAGCACGGCGCTGTTCAACAACGGGCAGAGCT
GCGGCGCGTGCTTCGAGGTCCGGTTCGGCGGGCGGCGGCAGCTGCCTCGCCGGCA
CCGTGGCGGTGACGGCCACCAACCTCTGCCCGCCCAACTACGCGCTCGCCGGCGA
CGCCGGCGGGTGGTGAACCCGCCGCGGGCCGCACTTCGACATGGCGGAGCCGGC

G TTCACCAGGATCGCGCAGGCCCGCGCCGGCGTGGTGCCGGTGCAGTACCGGCG
CGTGGCGTGCGCGAAGCAGGGCGGCATCCGGTTCACCATCACCGGCCACTCCTAC
TTCAACCTGGTGCTCGTCACCAACGTCGGCGGGCGCCGGCGACGTGACGGCGGTGT
CGGTGAAGGGGTTCGCGGTTCGGGGTGGCAGGCCATGAGCCACAACCTGGGGCGCCA
ACTGGCAGAACGGCGCCAACCTCGACGGCCAGCCGCTCTCCTTCAGGGTCACCGC
CAGCGACGGCCGCACCGTCACCTCCGACAACGTCGCCCCCTCCGGCTGGTCCTTC
GGCCAGACCTTCTCCGGCGGCCAGTTCTAGCCGTTCCGCCGTCGATCGCCGGAGG
AATTGAAGGGGCTCTGTTTTGAAGAAGCTCCAAAC