

IDENTIFICATION

Species: *Oryza sativa*

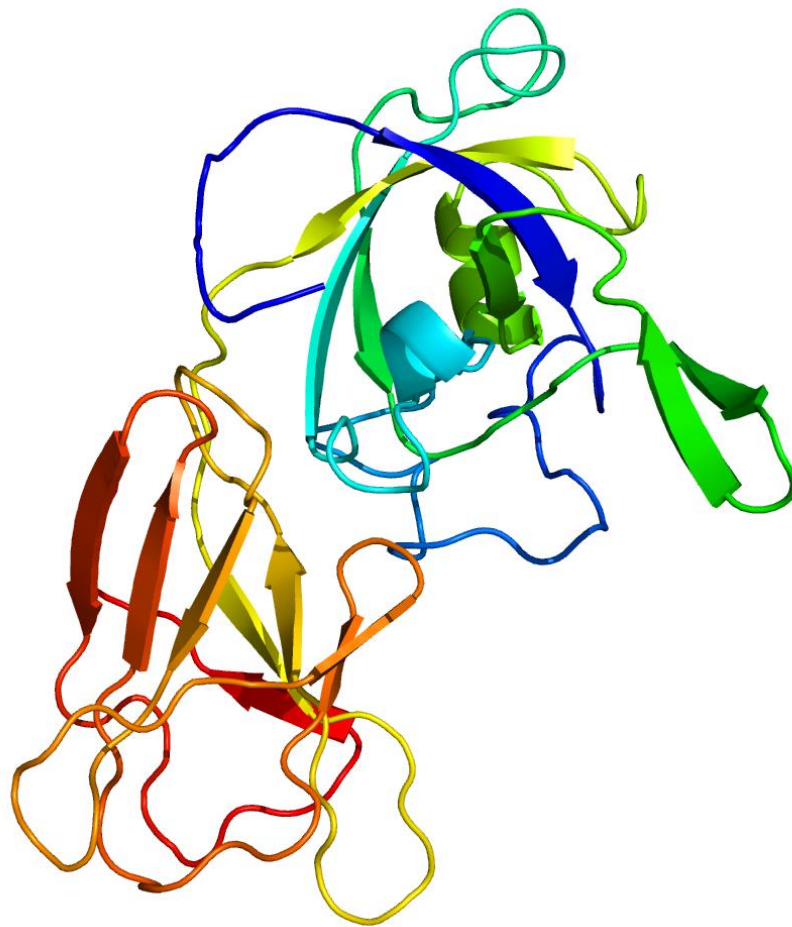
Locus: LOC_Os01g14660

Gene Model: LOC_Os01g14660.1

Description: OstEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

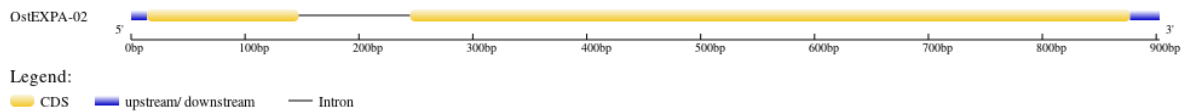
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

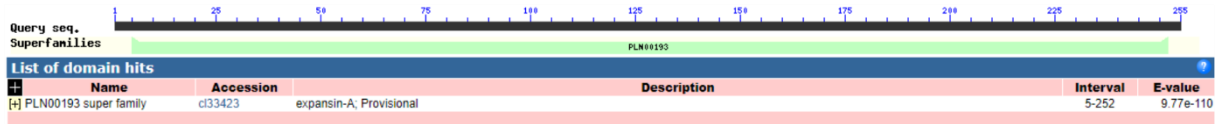
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-02

MEKKLLVVLFLSLCCASRLRGEAAQQWTSATATFYGGSDASGTMGGSCGYGNMYS
AGYGTNTTALSSALYGDGASCGACYLVTCDASATRWCKNGTSVTVTATNYCPPNYS
ESGDAGGWCNPPRRHFDMSQPAWEAIAVYSSGIVPVRYARTPCRRVGGIRFGIAGHD
YYELVLVTNVAGSGAVAAAWVKSGTEWLSMSRNWGENWQSNAYLTGQALSFRV
QADDGGVVTAYDVAPANWQFGSTYQSDVNFSY*

CDS (coding sequence)

>OstEXPA-02

ATGGAGAAGAAGCTGTTGGTCGTCTTGTTCCTAAGCCTGTGCTGCGCGTCTCGGC
TCCGCGGCGAGGCGGCGCAGCAGTGGACGTCGGCCACCGCCACGTTCTACGGCG
GCAGCGACGCGTCCGGCACCATGGGTGGATCGTGCGGGTACGGCAACATGTACA
GCGCCGGGTACGGGACGAACACGACGGCGCTGAGCTCGGCGCTGTACGGCGACG
GCGCGTCGTGCGGCGCGTGCTACCTCGTCACCTGCGACGCCTCGGCGACGCGGTG
GTGCAAGAACGGCACGTCGGTGACCGTGACGGCGACCAACTACTGCCCGCCCAA
CTACAGCGAGTCCGGCGACGCCGGCGGGTGGTGCAACCCGCCGCGGCGCCACTT
CGACATGTTCGACCCGGCGTGGGAGGCGATCGCCGTGTACAGCTCCGGCATCGTC
CCCGTACAGGTACGCGCGGACGCCGTGCAGGCGCGTCCGGCGGCATCCGGTTCGGC
ATCGCCGGGCACGACTACTACGAGCTGGTGCTCGTCACCAACGTCGCCGGCAGCG
GCGCCGTGGCGGCGGCGTGGGTGAAGGGCTCCGGGACGGAGTGGCTGTTCGATGA
GCCGGAACCTGGGGGGGAGAACTGGCAGAGCAACGCGTACCTCACCGGCCAGGCGC
TGTCGTTACAGGTGCAGGCCGACGACGGCGGCGTTCGTCACGGCGTACGACGTCGC
TCCGGCGAACTGGCAGTTCGGGTCCACCTACCAGTCCGACGTCAACTTCTCCTAC
TAG

Nucleotide

>OstEXPA-02

GTTTCAGCAGCGAGATGGAGAAGAAGCTGTTGGTCGTCTTGTTCCTAAGCCTGTG
CTGCGCGTCTCGGCTCCGCGGCGAGGCGGCGCAGCAGTGGACGTCGGCCACCGC
CACGTTCTACGGCGGCAGCGACGCGTCCGGCACCATGGGTAACCTGGACGAACA
CCTTAACCTGCGTGACAGCTTTGATCACCATCCGGCCAATGCGGCAGTGCAGCACG
CATCGCTTAGCTGCTTTGATCATGCAGGTGGATCGTGCGGGTACGGCAACATGTA

CAGCGCCGGGTACGGGACGAACACGACGGCGCTGAGCTCGGCGCTGTACGGCGA
CGGCGCGTTCGTGCGGCGCGTGCTACCTCGTCACCTGCGACGCCTCGGGCGACGCGG
TGGTGCAAGAACGGCACGTCGGTGACCGTGACGGCGACCAACTACTGCCCCGCC
AACTACAGCGAGTCCGGCGACGCCGGCGGGTGGTGCAACCCGCCGGCGGCCAC
TTCGACATGTCGCAGCCGGCGTGAGGCGATCGCCGTGTACAGCTCCGGCATCG
TCCCCGTCAGGTACGCGCGGACGCCGTGCAGGCGCGTCGGCGGCATCCGGTTCGG
CATCGCCGGGCACGACTACTACGAGCTGGTGCTCGTCACCAACGTCGCCGGCAGC
GGCGCCGTGGCGGCGGGCGTGGGTGAAGGGCTCCGGGACGGAGTGGCTGTCGATG
AGCCGGAAGTGGGGGGAGAAGTGGCAGAGCAACGCGTACCTCACCGGCCAGGCG
CTGTCGTTCAAGGTGCAGGCCGACGACGGCGGGCGTCGTCACGGCGTACGACGTCG
CTCCGGCGAAGTGGCAGTTCGGGTCCACCTACCAGTCCGACGTCAACTTCTCCTA
CTAGGCCTGTCACCTGTGCAGGAATTTCTT