

IDENTIFICATION

Species: *Oryza sativa*

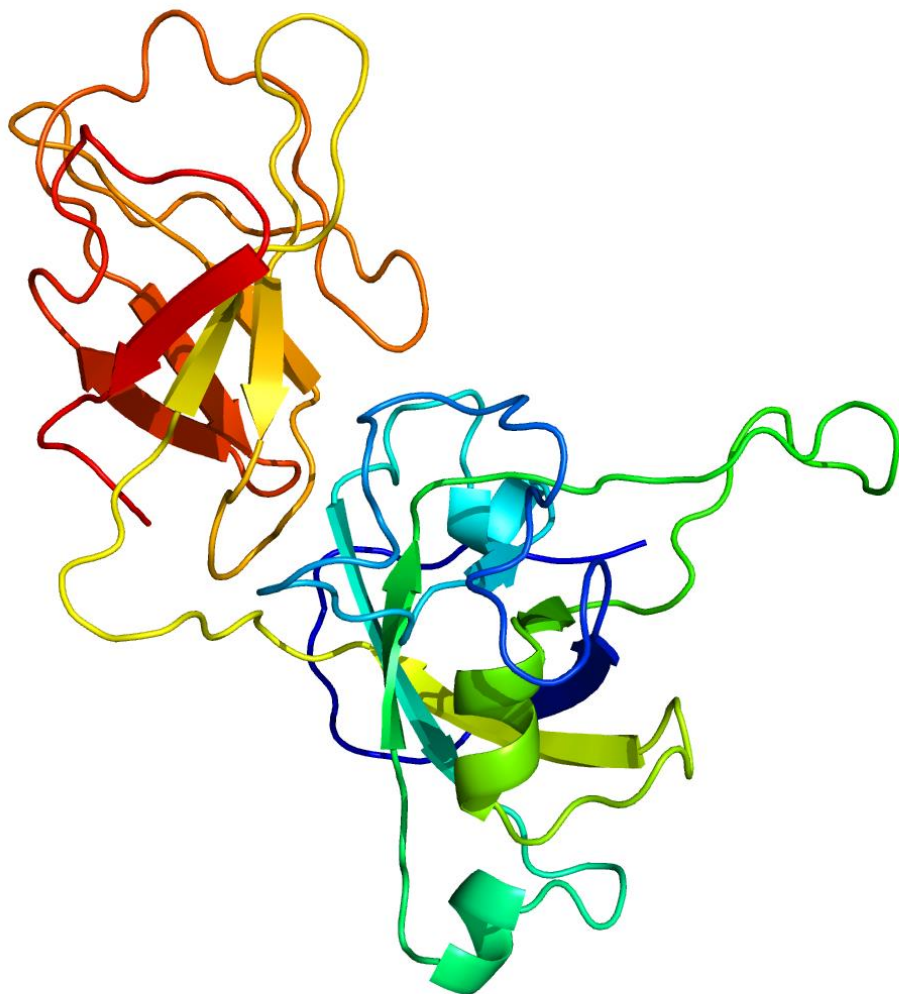
Locus: LOC_Os02g16839

Gene Model: LOC_Os02g16839.1

Description: OstEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

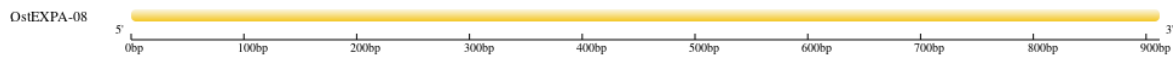
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

EXTERNAL RESOURCES

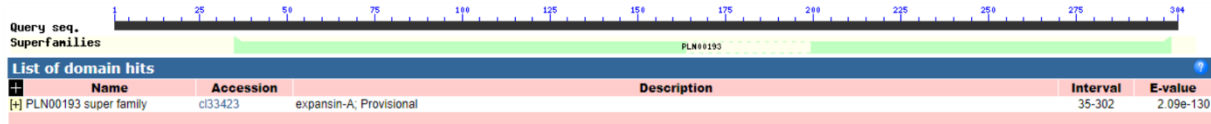
<http://rice.uga.edu/>

GENE STRUCTURE



Legend:
Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-08

MAPARAFVLVLLAVASASTAAANTATTTPTNPVAAPTQWQKAHATFYGGADASGT
MGGACGYGNLYSQGYGTRNAALSTALFNDGASCGQCYKIACDRKRAPQWCKPGVT
VTITATNFCPPNWNLPSDNGGWCNPPRPHFDMAQPAWEKIGVYSAGIIPVIYQRYQY
KYSNYFGHYGENSAYPDRCFHMKISYSCDDFYRVPCVKKGGRLFTINGHDYFQLVL
VTNVAAAGSIKSMEVMGSNTADWMPMARNWGAQWHSLAYLTGQGLSFRVTNTDD
QTLVFTNVVPPGWKFGQTFASKLQFK*

CDS (coding sequence)

>OstEXPA-08

ATGGCCCCAGCTCGAGCGTTCGTGTTGGTGCTGCTCGCAGTCGCCAGTGCATCGA
CGGCCGCGGCCAACACAGCGACGACGACGCCACAAACCCGGTGGCTGCGCCGA
CCAGTGGCAGAAGGCGCACGCGACGTTCTACGGCGGCGCGGACGCGTCCGGCA
CCATGGGCGGGGCGTGCGGATACGGCAACCTGTACTCGCAGGGGTACGGCACGC
GGAACGCGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGTCTGCGGGCAGT
GCTACAAGATCGCCTGCGACCGCAAGAGGGCGCCGACAGTGGTGCAAGCCCGGCG
TCACCGTTACCATCACCGCCACCAATTTCTGCCCGCCAACTGGAACCTTCCAGT
GATAATGGTGGCTGGTGCAACCCACCACGGCCGCACTTTGACATGGCACAGCCGG
CCTGGGAGAAGATCGGCGTCTACAGCGCAGGCATCATAACGGTCATCTATCAAAG
GTACCAATACAAATACTCCAATTATTTGGACATTATGGAGAGAACAGTGCATAT
CTGACCGCTGCTTCCATATGAAAATATCTACTCTTGCATGATTTCTACAGGGT
TCCTTGCGTGAAGAAGGGTGGCCTGCGGTTACCATTAAACGGTCACGACTACTTC
CAGCTAGTACTGGTGACCAACGTCGCGGCGGCAGGGTCAATCAAGTCCATGGAG
GTTATGGGTTCCAACACAGCGGATTGGATGCCGATGGCACGTAAGTGGGGCGCCC
AATGGCACTCACTGGCCTACCTCACCGGTCAAGGTCTATCCTTTAGGGTCACCAA
CACAGATGACCAAACGCTCGTCTTACCAAACGTCGTGCCACCAGGATGGAAGTTT
GGCCAGACATTTGCAAGCAAGCTGCAGTTCAAGTGA

Nucleotide

>OstEXPA-08

ATGGCCCCAGCTCGAGCGTTCGTGTTGGTGCTGCTCGCAGTCGCCAGTGCATCGA
CGGCCGCGGCCAACACAGCGACGACGACGCCACAAACCCGGTGGCTGCGCCGA

CCCAGTGGCAGAAGGGCGCACGCGACGTTCTACGGCGGGCGCGGACGCGTCGGGCA
CCATGGGCGGGGCGTGGCGGATACGGCAACCTGTACTCGCAGGGGTACGGCACGC
GGAACGCGGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGTCGTGCGGGCAGT
GCTACAAGATCGCCTGCGACCGCAAGAGGGCGCCGCAAGTGGTGCAAGCCCGGCG
TCACCGTTACCATCACCGCCACCAATTTCTGCCCGCCAACCTGGAACCTTCCCAGT
GATAATGGTGGCTGGTGCAACCCACCACGGCCGCACTTTGACATGGCACAGCCGG
CCTGGGAGAAGATCGGCGTCTACAGCGCAGGCATCATAACGGTCATCTATCAAAG
GTACCAATACAAATACTCCAATTATTTGGACATTATGGAGAGAACAGTGCATAT
CCTGACCGCTGCTTCCATATGAAAATATCCTACTCTTGCGATGATTTCTACAGGGT
TCCTTGCGTGAAGAAGGGTGGCCTGCGGTTCCACCATTAACGGTCACGACTACTC
CAGCTAGTACTGGTGACCAACGTCGCGGGCGGCAGGGTCAATCAAGTCCATGGAG
GTTATGGGTTCCAACACAGCGGATTGGATGCCGATGGCACGTAACCTGGGGCGCCC
AATGGCACTCACTGGCCTACCTCACCGGTCAAGGTCTATCCTTTAGGGTCACCAA
CACAGATGACCAAACGCTCGTCTTACCAACGTCGTGCCACCAGGATGGAAGTTT
GGCCAGACATTTGCAAGCAAGCTGCAGTTCAAGTGA