

IDENTIFICATION

Species: *Oryza sativa*

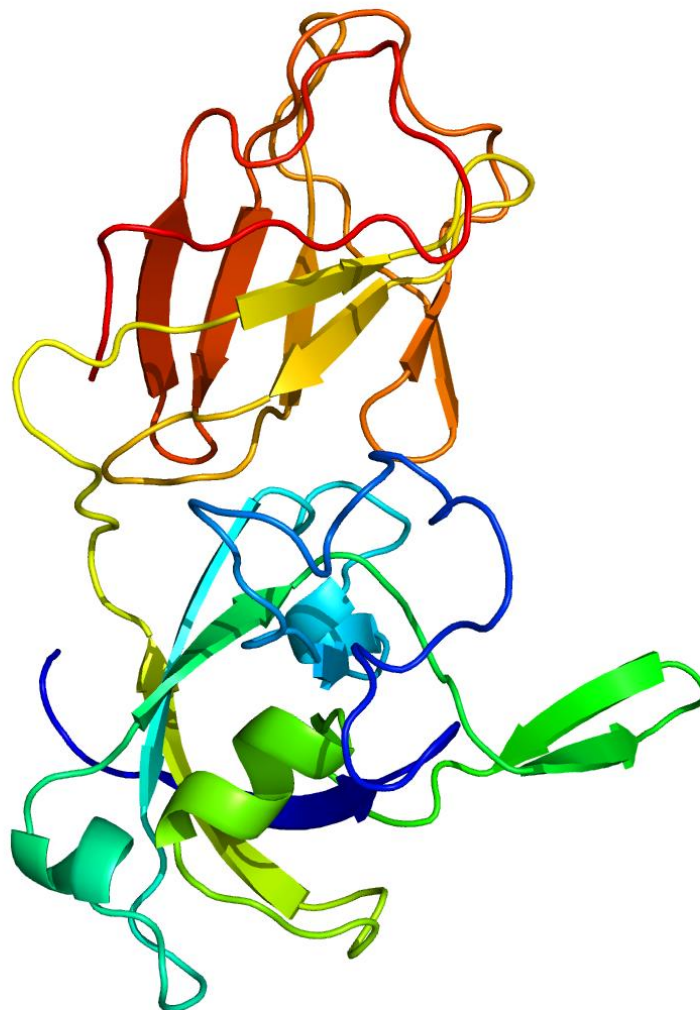
Locus: LOC_Os05g19600

Gene Model: LOC_Os05g19600.1

Description: OstEXPA-25

Family: Alpha Expansin

3D structure:



GENOME DATABASES

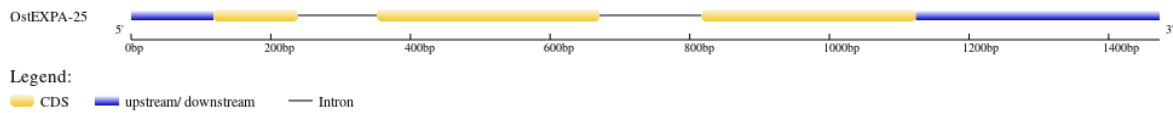
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

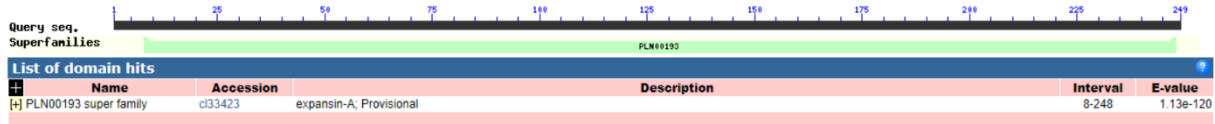
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-25

MAMPVVQVLLLCALAYQAVDAQWTPATATFYGGSDGAGTMGGACGYGNLYNAG
YGLNNAALSSALFNDGAMCGACYTIACDTSQSTWCKPGTSITITATNLCPPNYAKKS
DAGGWCNPPRKHFDMSQPAWTSIAIYQAGIVPVNFKRVPCQKSGGIRFTISGRDYFEL
VTVFNVGGSGVVAQVSIKGSKTDWMAMSRNWGQNWQSNAYLNTQSLSFKVKLDD
AREVTVWNIAPSNWNFGTTYTSNINF*

CDS (coding sequence)

>OstEXPA-25

ATGGCAATGCCAGTAGTACAAGTGCTTCTTCTTTGCGCATTAGCTTATCAAGCAGT
CGACGCCAGTGGACACCAGCCACGGCAACGTTCTACGGCGGCAGCGATGGCGC
TGGTACCATGGGAGGCGCGTGTGGATACGGCAACCTGTACAACGCCGGGTACGG
GCTGAACAACGCGGCGCTGAGCTCGGCGCTGTTCAACGACGGCGCCATGTGCGG
CGCGTGCTACACCATCGCCTGCGACACCAGCCAGTCCACGTGGTGCAAGCCCGGC
ACGTCCATCACCATCACGGCCACCAACCTGTGCCCGCCCAACTACGCAAAAAAAA
GCGACGCCGGCGGGTGGTGCAACCCGCCTCGCAAGCACTTCGACATGTCGCAGCC
GGCCTGGACCTCCATCGCCATCTACCAAGCCGGCATCGTCCCCGTC AATTTTAAG
AGGGTACCGTGCCAGAAGAGCGGGGCATCAGGTTACCATAAGCGGGAGGGAC
TACTTCGAGCTGGTGACGGTGTTCAACGTGGGAGGCAGCGGCGTGGTGCGCAG
GTGTCGATCAAGGGGTCCAAGACGGACTGGATGGCGATGAGCAGGAACTGGGGC
CAAACCTGGCAGAGCAACGCCTACCTCAACCCAGAGCCTGTCGTTCAAGGTG
AAGCTCGACGACGCCCGGAGGTCACGGTGTGGAACATCGCGCCCTCCAACCTGG
AACTTCGGCACCACCTACACGTCCAACATCAACTTCTAG

Nucleotide

>OstEXPA-25

TGCTAATCCCTGCTATAAAATGCAGAGTCAAGCTGCTAGGAAGGCCACTGCAGAA
CATAGCTAGCTCAAGAGTGCAGTTCTACAGCAAGTTCTTCCATCGTCTTTACCAAT
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AGTGACATGAACATGTGCTTATGAGCGGCTGTGTGTGCATTTTTAGGGTACCGTG
CCAGAAGAGCGGGGGCATCAGGTTCCACCATAAGCGGGAGGGACTACTTCGAGCT
GGTGACGGTGTTCAACGTGGGAGGCAGCGGCGTGGTGGCGCAGGTGTCGATCAA
GGGGTCCAAGACGGACTGGATGGCGATGAGCAGGAACTGGGGCCAAA ACTGGCA
GAGCAACGCCTACCTCAACACCCAGAGCCTGTCGTTCAAGGTGAAGCTCGACGAC
GCCCCGCGAGGTCACGGTGTGGAACATCGCGCCCTCCA ACTGGA ACTTCGGCACCA
CCTACACGTCCAACATCAACTTCTAGTTTGTTC AACCAAGAATTTAGTCAGCATCT
TGCTGGGAGCAAATTATATATATCTACCTCGATTAATTATTATAATTACTAGTATA
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TAGGACAGATATTCGTCGGCTTATGTAAAGGTAGGCAGAGAGCGATGTTCTTTTT
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