

IDENTIFICATION

Species: *Oryza sativa*

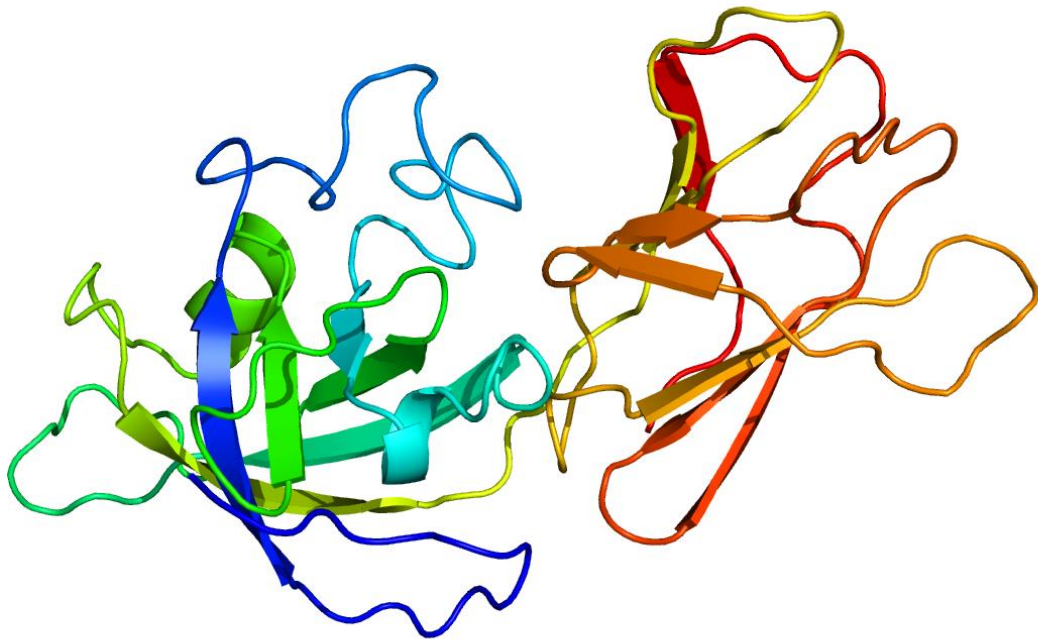
Locus: LOC_Os02g16850

Gene Model: LOC_Os02g16850.1

Description: OstEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

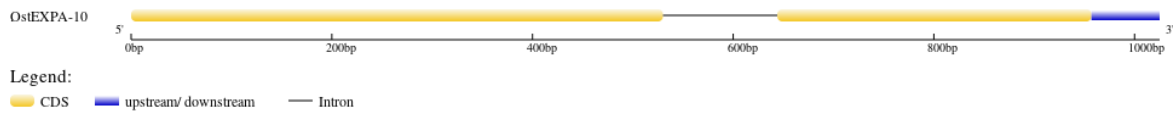
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

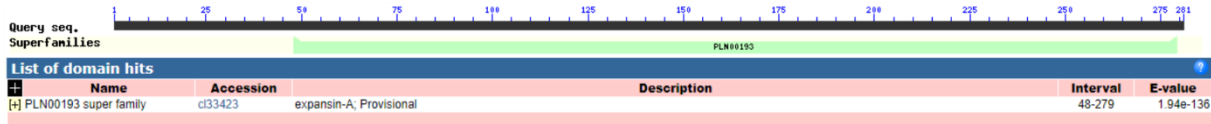
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-10

MAPARPFALLFLAVTVGFVLLTAADDSANATATTTTAMAPSSSTDDAAPPVWLKAH
ATFYGGADASGTMGGACGYGDLYSQGYGTRNAALSTALFNDGASCGQCYKIACDR
KRAPQWCRPGVTVTITATNFCPPNWDLPDNGGWCNPPRPHFDMAQPAWEKIGIYR
AGIIPVIYQRVPCVKKGGVRFTHDHFNLVLVTNVATTGLIKSMDVMGSNSTDWL
PMVRNWGANWHSLSYLTGQMLSFRVTNMDGQTLVFRNIVPSGWKFGQTFASKLQF
K*

CDS (coding sequence)

>OstEXPA-10

ATGGCTCCAGCTCGACCTTTCGCGTTGCTGTTTCTCGCAGTCACGGTCGGCTTCGT
TCTGCTGACGGCGGCCGACGACTCGGCCAATGCGACGGCGACGACGACGACAGC
GATGGCTCCGTCGTCATCGACCGACGACGCGGCTCCGCCCCTGTGGCTGAAGGCG
CACGCGACGTTCTACGGCGGCGCGGACGCGTCCGGCACCATGGGAGGCGCGTGC
GGCTACGGCGACCTTACTCGCAGGGGTATGGGACGCGGAACGCGGCGCTGAGC
ACGGCGCTGTTCAACGACGGCGCGTCTGCGGGCAGTGCTACAAGATCGCCTGCG
ACCGCAAGAGGGCACCGCAGTGGTGCAGGCCCGGCGTCACGGTCACCATCACCG
CCACCAACTTCTGCCCGCCCACTGGGACCTCCCCAGCGACAACGGCGGCTGGTG
CAACCCTCCACGGCCGCACTTCGATATGGCGCAGCCGGCCTGGGAGAAGATCGGT
ATTTACCGTGCCGGCATCATCCCCGTCATCTACCAAAGGGTTCATGTGTAAAGA
AGGGTGGTGTGCGGTTACCATCAACGGGCATGACTACTTCAATCTCGTTCCTGT
GACCAACGTTGCAACCACCGGCTTGATCAAGTCGATGGATGTGATGGGCTCCAAC
TCAACCGACTGGCTGCCAATGGTGAGAACTGGGGTGCAAATTGGCACTCGTTAT
CGTATCTCACTGGACAGATGCTTTCCTTTAGGGTGACCAACATGGACGGCCAGAC
GCTTGTCTTCAGAAACATTGTGCCGTCAGGATGGAAGTTCGGGCAAACATTTGCA
AGCAAACCTGCAGTTCAAGTGA

Nucleotide

>OstEXPA-10

ATGGCTCCAGCTCGACCTTTCGCGTTGCTGTTTCTCGCAGTCACGGTCGGCTTCGT
TCTGCTGACGGCGGCCGACGACTCGGCCAATGCGACGGCGACGACGACGACAGC
GATGGCTCCGTCGTCATCGACCGACGACGCGGCTCCGCCCCTGTGGCTGAAGGCG

CACGCGACGTTCTACGGCGGGCGCGGACGCGTCGGGCACCATGGGAGGGCGCGTGC
GGCTACGGCGACCTTTACTCGCAGGGGTATGGGACGCGGAACGCGGGCGCTGAGC
ACGGCGCTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACAAGATCGCCTGCG
ACCGCAAGAGGGCACCGCAGTGGTGCAGGCCCGGCGTCACGGTCACCATCACCG
CCACCAACTTCTGCCCGCCCAACTGGGACCTCCCCAGCGACAACGGCGGGCTGGTG
CAACCCTCCACGGCCGCACTTCGATATGGCGCAGCCGGCCTGGGAGAAGATCGGT
ATTTACCGTGCCGGCATCATCCCCGTCATCTACCAAAGGTACATAATTAACCTAC
ACCGGACAAACACAAATCGTATTTGTTTTTGATATTGCACACCTATATGACAATA
TATAAGACATATTTGTAACATGTATTTTGTGATGTTTTTCAGGGTTCATGTGTAA
AGAAGGGTGGTGTGCGGTTACCATCAACGGGCATGACTACTTCAATCTCGTTCT
TGTGACCAACGTTGCAACCACCGGCTTGATCAAGTCGATGGATGTGATGGGCTCC
AACTCAACCGACTGGCTGCCAATGGTGAGAACTGGGGTGCAAATTGGCACTCGT
TATCGTATCTCACTGGACAGATGCTTTCCTTTAGGGTGACCAACATGGACGGCCA
GACGCTTGTCTTCAGAAACATTGTGCCGTCAGGATGGAAGTTCGGGCAAACATTT
GCAAGCAAACCTGCAGTTCAAGTGATCATCCTGAATTGATTGGGTTTCTACTGCCT
GACTGATTATTTATGATGGACATTTGCACAGTGTATA