

IDENTIFICATION

Species: *Oryza sativa*

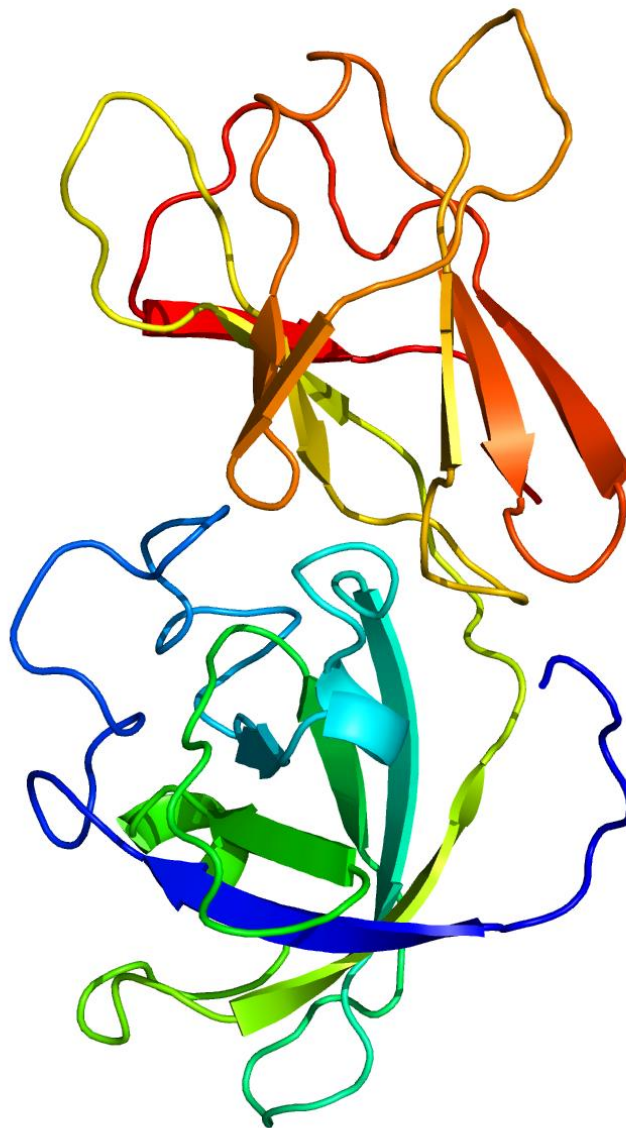
Locus: LOC_Os10g39110

Gene Model: LOC_Os10g39110.1

Description: OstEXPA-33

Family: Alpha Expansin

3D structure:



GENOME DATABASES

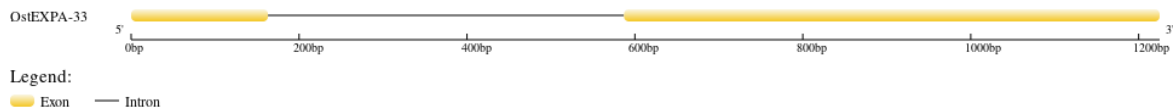
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

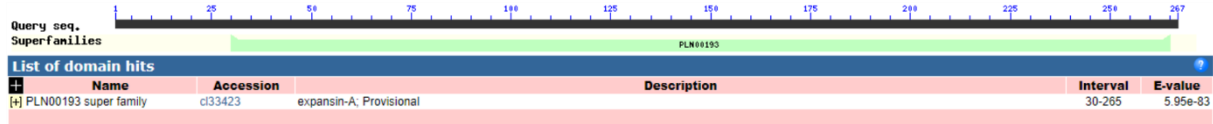
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-33

MAAASSTTATTAILAAVIISLAGAATTVDKFRAMQWTPAHATFYGDETASETMGG
ACGYGNLYASGYGTDTAALSTTLFKDGYGCGTCYQMRCVGTASCYRGSPAIVTAT
NLCPPNWAEDPDRGGGGWCNPPRAHFDSLKPAFMRMADWRAGIVPVMYRRVPCAR
AGGLRFALQGNPYWLLAYVMNVAGAGDVGDMWVKAGGGGGWVRMSHNWGASY
QAFALGGQALSFKVTSYTTGQTLAAGVTPASWCFGLTYQARVNFS*

CDS (coding sequence)

>OstEXPA-33

ATGGCGGCGGCTTCATCGACGACGGCGACGACGGCCATCCTGGCGGCAGTGATC
ATCTCTCTCGCCGGCGCTGCCACCACCGTGGACGCCAAGTTCAGGGCGATGCAGT
GGACTCCCGCCCACGCCACGTTCTACGGCGACGAGACGGCGTCGGAGACGATGG
GTGGGGCGGTGCGGGTACGGCAACCTGTACGCGAGCGGGTACGGGACGGACACGG
CGGCGCTGAGCACGACGCTGTTCAAGGACGGCTACGGGTGCGGGACGTGCTACC
AGATGCGGTGCGTGGGGACGGCGTCCTGCTACAGGGGCTCGCCGGCGATCACCG
TGACGGCGACCAACCTGTGCCCGCCAACTGGGCGGAGGACCCCGACCGCGGCG
GCGGCGGCTGGTGCAACCCGCCGCGGGCGCACTTTGACCTCTCCAAGCCGGCGTT
CATGCGGATGGCCGACTGGCGCGCCGGCATCGTCCCGTCATGTACCGCCGCGTG
CCGTGCGCCCGCGCCGGCGGCTGCGGTTGCGCGCTGCAGGGGAACCCGTAAGTGGC
TGCTGGCCTACGTCATGAACGTCGCCGGCGCCGGCGACGTCGGGGACATGTGGGT
GAAGGCCGGCGGCGGCGGGGGTTGGGTGCGGATGAGCCACAACCTGGGGCGCGTC
GTACCAGGCGTTCGCGCAGCTCGGCGGCCAGGCGCTCAGCTTCAAGGTCACCTCC
TACACCACCGGCCAGACCATCCTGGCCGCCGGCGTACGCCGGCGAGCTGGTGCT
TCGGGCTCACGTACCAGGCCCGCGTGAACCTTCTCCTAG

Nucleotide

>OstEXPA-33

ATGGCGGCGGCTTCATCGACGACGGCGACGACGGCCATCCTGGCGGCAGTGATC
ATCTCTCTCGCCGGCGCTGCCACCACCGTGGACGCCAAGTTCAGGGCGATGCAGT
GGACTCCCGCCCACGCCACGTTCTACGGCGACGAGACGGCGTCGGAGACGATGG
GTACGTACACTCGTTCGATTATTTGCCCCACGCCTTAAAATACATTTTTTTGTA
AAAAATCTTGCTTTAAGCTACTCTCTTCGTTATAAATTATAAATCGTTTTGACTT

TGATCAAATTA AATTGCTTCAAATTTAACCAAGTTTATAAAAAAATAACATATT
CAACACTAGATAAATCTATCATAAAAAATATATTCAATTATAAATTC AATGTA
AATTTGATGTTGCAGATGTTATAAATTTACAATAGTTTAACTTTGACCAA
AACGATTTGTAATACAGAATGAATGTAATATTTGTTAAATTTTCATAGGG
TCCATGCGTGTCTAGAAACAATAATTTATATAAATAATCATGTAATAAGT
TAGTGTAATAATCTGTACCAAATTGGGTTGTGGCAGGTGGGGCGTGCGGG
CAACCTGTACGCGAGCGGGTACGGGACGGACACGGCGGCGCTGAGCACG
GTTCAAGGACGGCTACGGGTGCGGGACGTGCTACCAGATGCGGTGCGT
GGCGTCCTGCTACAGGGGCTCGCCGGCGATCACCGTGACGGCGACCAAC
CCGCCAACTGGGCGGAGGACCCCGACCGCGGCGGCGGCGGCTGGTGCA
CCGCGGGCGCACTTTGACCTCTCCAAGCCGGCGTTCATGCGGATGGCCG
GCGCCGGCATCGTCCCGTCATGTACCGCCGCGTGCCGTGCGCCCGCGCC
CCTGCGGTTGCGCGCTGCAGGGGAACCCGTACTGGCTGCTGGCCTACG
GTCGCGGCGCGCGGCGACGTCGGGGACATGTGGGTGAAGGCCGGCGGCG
GGTTGGGTGCGGATGAGCCACA ACTGGGGCGCGTCGTACCAGGCGTTCG
CTCGGCGGCCAGGCGCTCAGCTTCAAGGTCACCTCCTACACCACCGGCC
TCCTGGCCGCCGGCGTACGCCGGCGAGCTGGTGCTTCGGGCTCACGTAC
CCGCGTGA ACTTCTCCTAG