

IDENTIFICATION

Species: *Oryza sativa*

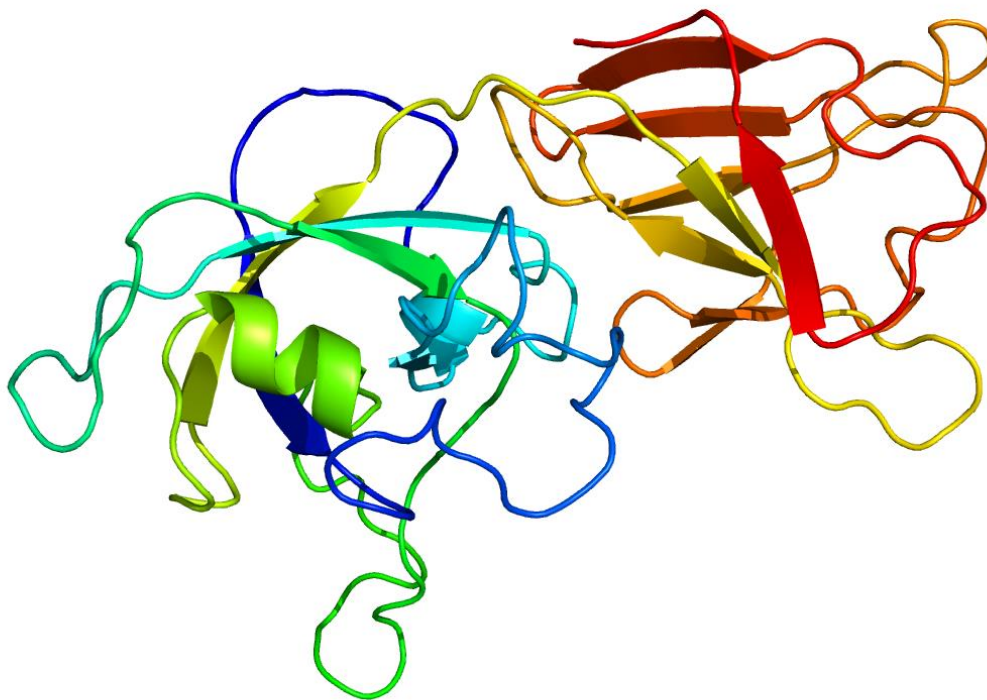
Locus: LOC_Os06g50400

Gene Model: LOC_Os06g50400.1

Description: OstEXPA-29

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>

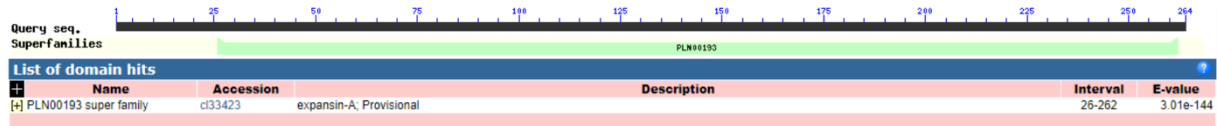
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-29

MARRGHVFAVVAFVSYALLAAASTTVEAFAASGWSKGTATFYGGSDASGTMGGAC
GYGNLYTQGYGTRTAALSTALFDGASCGQCYALTCDARADPRWCRAGASVTVTA
TNFCPPNYALPSDDGGWCNPPRPHFDMAQPAWERIGVYRGGIVPVAFRRVPCRRRG
GVRFTVAGRDFELVLVTNVAAAGSVRSMEVVRGSRGAGWMAMSRNWGANWQS
LAYLDGQGLSFRVTATDGQTI VFAGVPPSWRFGQTFAS TQQFM*

CDS (coding sequence)

>OstEXPA-29

ATGGCGCGCCGTGGCCATGTGTTTCGCCGTGGTGGCGTTCGTCAGCTACGCGCTGC
TCGCCGCCGCCTCGACGACGGTGGAGGCGTTCGCGGCGTCGGGCTGGAGCAAGG
GCACCGCCACCTTCTACGGCGGCAGCGACGCCTCCGGCACCATGGGCGGTGCGTG
CGGGTACGGCAACCTGTACACGCAAGGGTACGGGACGCGGACGGCGGGCGCTGAG
CACGGCGCTGTTTCGACGACGGCGCGTTCGTGCGGGCAGTGCTACGCGCTGACCTGC
GACGCGAGGGCGGACCCGCGGTGGTGCCGCGCGGGGGCGTTCGGTGACGGTGACG
GCCACCAACTTCTGCCCGCCAACTACGCGCTCCCAGCGACGACGGCGGCTGGT
GCAACCCGCCGCGGCCGCACTTCGACATGGCGCAGCCGGCGTGGGAGCGGATCG
GCGTGTACCGGGGCGGCATCGTGCCGGTGGCGTTCGCGCGCGTGCCGTGCCGGAG
GCGCGGCGGCGTGCGGTTACGGTGGCCGGGCGGGACTACTTCGAGCTGGTGCTG
GTGACGAACGTGGCGGCGGCTGGGTTCGGTGAGGTCGATGGAGGTGAGGGGCAGC
CGCCGTGGCGCCGGGTGGATGGCCATGTTCGCGCAACTGGGGCGCCAACTGGCAG
TCGCTGGCGTACCTCGACGGGCAGGGCCTCTCGTTCGGGGTCACCGCCACCGACG
GCCAGACCATCGTCTTCGCCGGCGTTCGTGCCGCGTTCGTGGAGGTTTCGGCCAGAC
GTTTCGCGAGCACCCAGCAGTTCATGTAG

Nucleotide

>OstEXPA-29

AGTTCACCATAGTAGCTAAGCTAGCACAGGTTGCAACGAGCAGAGAGCTAGGCG
AAATCGATCGGAATTCGGAGATGGCGCGCCGTGGCCATGTGTTTCGCCGTGGTGGC
GTTCGTACGCTACGCGCTGCTCGCCGCCGCCTCGACGACGGTGGAGGCGTTCGCG
GCGTCCGGCTGGAGCAAGGGCACCGCCACCTTCTACGGCGGCAGCGACGCCTCC

GGCACCATGGGTACGTACCTATGTGTTTCGTCCGTTGCGTCGCGTCGCGACGCGTG
CTTGACTGACTGACAGAGTGCGGTGTGCGTGCATTGCAGGCGGTGCGTGCGGGT
ACGGCAACCTGTACACGCAAGGGTACGGGACGCGGACGGCGGCGCTGAGCACGG
CGCTGTTTCGACGACGGCGCGTTCGTGCGGGCAGTGCTACGCGCTGACCTGCGACGC
GAGGGCGGACCCGCGGTGGTGCCGCGCGGGGGCGTTCGGTGACGGTGACGGCCAC
CAACTTCTGCCCGCCAACTACGCGCTCCCCAGCGACGACGGCGGCTGGTGCAAC
CCGCCGCGGCCGCACTTCGACATGGCGCAGCCGGCGTGGGAGCGGATCGGCGTG
TACCGGGGCGGCATCGTGCCGGTGGCGTTCCGCCGCGTGCCGTGCCGGAGGCGCG
GCGGCGTGCGGTTACGGTGGCCGGGCGGGACTACTTCGAGCTGGTGCTGGTGAC
GAACGTGGCGGCGGCTGGGTTCGGTGAGGTCGATGGAGGTGAGGGGCAGCCGCCG
TGCGCGCGGGTGGATGGCCATGTCGCGCAACTGGGGCGCCA ACTGGCAGTCGCT
GGCGTACCTCGACGGGCAGGGCCTCTCGTTCCGGGTCACCGCCACCGACGGCCAG
ACCATCGTCTTCGCCGGCGTTCGTGCCGCCGTCGTGGAGGTTTCGGCCAGACGTTTCG
CGAGCACCCAGCAGTTCATGTAGCTAGTCTCACTCTCGCTCGGGTTCCTTTGGTT
GGCACTTGGCAGTGGCGTTGTTTGCTATACTTTGCTCTCTTCTGTTGGTGTTTAATT
AGCAGCCCGCCAACGATTTGTGCTATGTAATCGTGTTAATTTGACAGTTTTTGTGG
TGTATTGAGAAGACTTGTCCACGTATCAATCTAGCACAAATTGCTTTGCAAAGTA
ACCATGTTTGGAGACTAAAAAAAATTAACCTTACATCAA