

IDENTIFICATION

Species: *Oryza sativa*

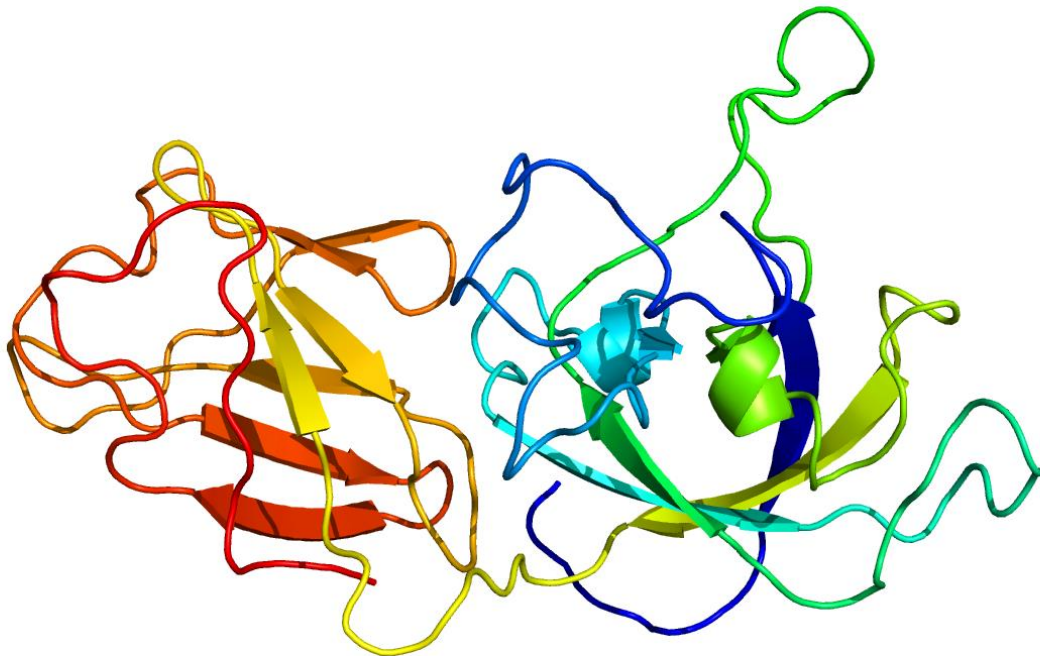
Locus: LOC_Os03g31480

Gene Model: LOC_Os03g31480.1

Description: OstEXPA-20

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>

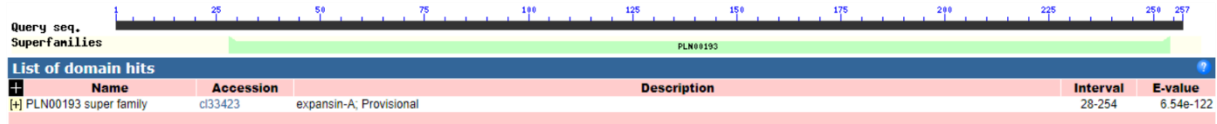
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-20

MDMAMSSRLALCLAVVAACAAGGAVADWSPATATFYGGSDGSGTMGGACGYGNL
YDQGYGVDNAALSQALFNDGASCGQCYLIVCDTSRAPQWCKAGTAVTVTATNLCPP
NWALPSDGGGWCNPPRPHFDMSQPAWEQIGVYQAGIVPVLVYQVRVCWRQGGVRFV
VAGLNYFELVLITNVAGSGSVASAWIKGTNTGWIQMSRNWGANWQSLAGLAGQAL
SFAVTTTGGQYLQFQDVAPAWWQFGQTFSTYQQFDY*

CDS (coding sequence)

>OstEXPA-20

ATGGACATGGCCATGTCGTCGCGGCTGGCTCTGTGCCTCGCGGTGGTCGCGGCGT
GCGCGGCGGGCGGCGCGGTGGCCGACTGGTCACCGGCGACGGCGACGTTCTATG
GCGGGAGCGACGGGTCCGGGACGATGGGCGGCGCGTGCGGGTACGGCAACCTGT
ACGACCAGGGGTACGGCGTGGACAACGCGGCGCTGAGCCAGGCGCTGTTCAACG
ACGGCGCGTTCGTGCGGGCAGTGCTACCTGATCGTCTGCGACACGAGCAGGGCGC
CGCAGTGGTGCAAGGCCGGCACGGCGGTGACCGTGACGGCGACCAACCTGTGCC
CGCCAACTGGGCGCTCCCGAGCGACGGCGGCGGGTGGTGCAACCCGCCGCGGC
CGCACTTCGACATGTCGCAGCCGGCGTGGGAGCAGATCGGCGTGTACCAGGCCG
GGATCGTGCCGGTGTGTACCAGCGGGTGGAGGTGCTGGCGCCAGGGCGGGGTGC
GGTTCACCGTCGCCGGCCTCAACTACTTCGAGCTCGTGCTCATACCAACGTTCG
CGGCAGCGGATCGGTGGCCAGCGCGTGGATCAAGGGGACCAACACCGGGTGGAT
CCAGATGTTCGCGGAACCTGGGGCGCCAACTGGCAGTCGCTCGCCGGGCTCGCCGG
CCAGGCGCTCAGCTTCGCCGTCACCACCACCGGCGGCCAGTACCTGCAGTTCAG
GACGTGGCGCCGGCGTGGTGGCAGTTCGGCCAGACCTTCTCCACCTACCAGCAGT
TCGACTACTAG

Nucleotide

>OstEXPA-20

ATCACTCGCAACACCAAAGCAGAGTTAGCTAGTACTACTACTTCAACGCTCC
ATCAAAAGTTTTGCATGGACATGGCCATGTCGTCGCGGCTGGCTCTGTGCCTCGC
GGTGGTCGCGGCGTGC GCGGGCGGGCGGCGCGGTGGCCGACTGGTCACCGGCGAC
GGCGACGTTCTATGGCGGGAGCGACGGGTCCGGGACGATGGGCGGCGCGTGC GG
GTACGGCAACCTGTACGACCAGGGGTACGGCGTGGACAACGCGGCGCTGAGCCA

GGCGCTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACCTGATCGTCTGCGAC
ACGAGCAGGGCGCCGCAGTGGTGCAAGGCCGGCACGGCGGTGACCGTGACGGCG
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AACCCGCCGCGGCCGCACTTCGACATGTCGCAGCCGGCGTGGGAGCAGATCGGC
GTGTACCAGGCCGGGATCGTGCCGGTGCTGTACCAGCGGGTGAGGTGCTGGCGCC
AGGGCGGGGTGCGGTTCACCGTCGCCGGCCTCAACTACTTCGAGCTCGTGCTCAT
CACCAACGTCGCCGGCAGCGGATCGGTGGCCAGCGCGTGGATCAAGGGGACCAA
CACCGGGTGGATCCAGATGTCGCGGAACTGGGGCGCCA ACTGGCAGTCGCTCGC
CGGGCTCGCCGGCCAGGCGCTCAGCTTCGCCGTCACCACCACCGGCGGCCAGTAC
CTGCAGTTCCAGGACGTGGCGCCGGCGTGGTGGCAGTTCGGCCAGACCTTCTCCA
CCTACCAGCAGTTCGACTACTAGATGATGAGTAAAATGGTTCGTCATTTTAACGG
AGCTTAGCTAGCAATAGCAAAGCTGTACTTCCTTCCACCGCTTATTCCTTTATTCC
TGTGCTGCTCGATCGTCACACGATCGATGCTGATAATCTGTTTCCTAAATTTTCC
TTGATTCTATTGCCAATATTAATTATGTACA