

IDENTIFICATION

Species: *Oryza sativa*

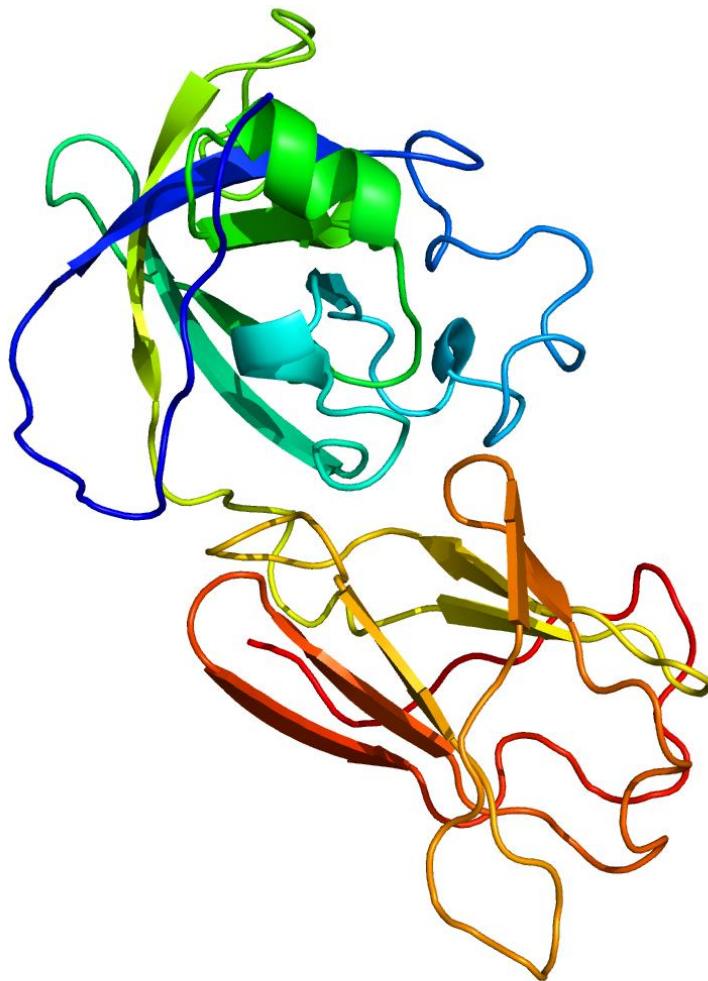
Locus: LOC_Os12g36040

Gene Model: LOC_Os12g36040.1

Description: OstEXPA-34

Family: Alpha Expansin

3D structure:



GENOME DATABASES

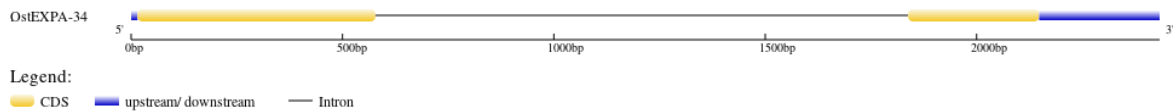
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

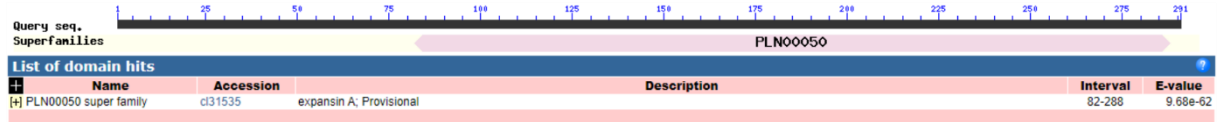
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-34

MDTTTTMAPLPLLLTTTSLLLFFFLASSFAADV VVAGGGGGGGGYDGGGDGEGGGGG
DGEGGGGGGAKMPHVNHGRYKCGPWVDGHATFYGGRDASGTTEGGACGYKDA
DYGAMTAAVSPALFDNGAGCGACYELKGD SGKTVVVTATNQAPPPVNGMKGEHF
DLTMPAFLSIAEKLGVVPVSYRKVACVRQGGIKYTITGNPSYNMVMVKNVGGAGD
VVKLTVKGTKRVKWTPLQRSWGQLWKTEANLTGESL TFRVMTGDHRKATSWRVA
PRDWTYDNTYQAKKNF*

CDS (coding sequence)

>OstEXPA-34

ATGGACACAACGACGACCATGGCGCCTCTCCCTCTCCTCACCACGACGTCTCTGC
TGCTCTTCTTCTTCCTCGCGTCGTCGTTCCGCCCGACGTCGTCGTCGCGGGCGGC
GGCGGCGGCGGCGGCGGCTACGACGGCGGCGGCGACGGCGAAGGCGGCGGCGG
CGGCGACGGCGAAGGCGGCGGCGGCGGCGGCGGCGGAGCCAAGATGCCGCACGTGA
ACCACGGCAGGTACAAGTGCGGGCCGTGGGTGGACGGGCACGCGACGTTCTACG
GCGGGCGCGACGCGTCGGGCACGACGGAGGGCGGCGCGTGCGGGTACAAGGAC
GCCGACGGGTACGGCGCGATGACGGCGGCGGTGAGCCCCGCCCTGTTTCGACAAC
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GTGGTGACGGCCACCAACCAGGCGCCGCCAGTGAACGGGATGAAGGGCGGAG
CACTTCGACCTCACCATGCCGGCGTTCCTCTCCATCGCCGAGGAGAAGCTCGGCG
TCGTGCCCGTCTCTACCGAAAGGTGGCGTGCGTGAGGCAGGGCGGGATAAAGT
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Nucleotide

>OstEXPA-34

TCTCCGGTTAATTCATGGACACAACGACGACCATGGCGCCTCTCCCTCTCCTCAC
CACGACGTCTCTGCTGCTCTTCTTCTTCCTCGCGTCGTCGTTCCGCCCGACGTCG

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CCCGCGACTGGACCTACGACAACACCTACCAGGCCAAGAAGAAGTCTAGCTGAT
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