

IDENTIFICATION

Species: *Oryza sativa*

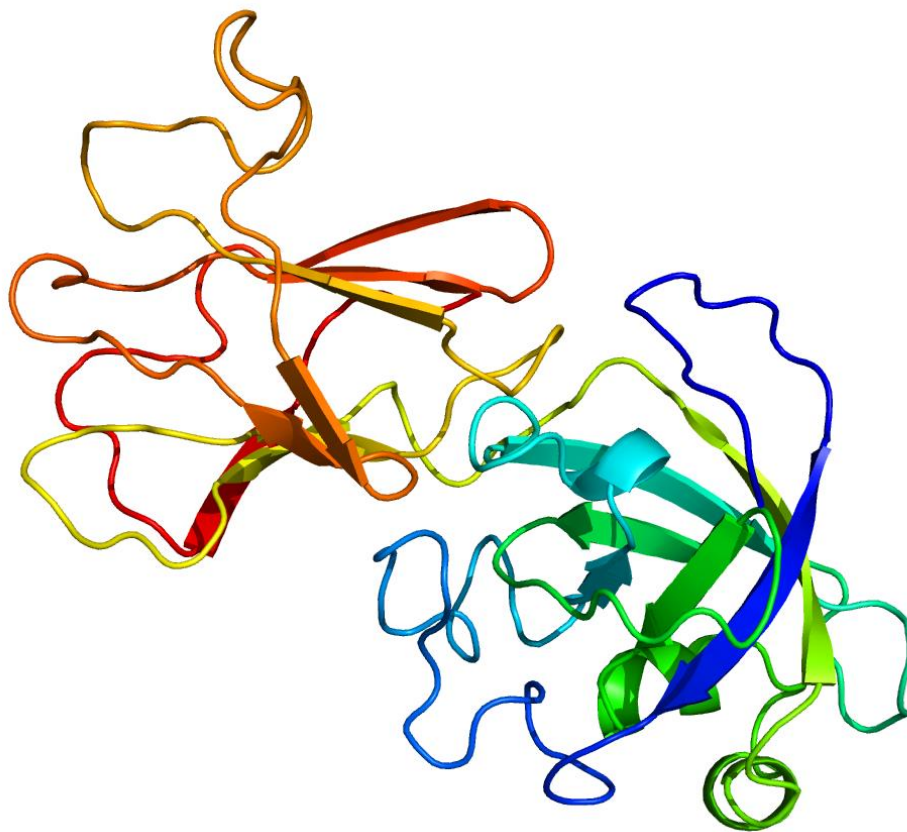
Locus: LOC_Os03g01270

Gene Model: LOC_Os03g01270.1

Description: OstEXPB-05

Family: Beta Expansin

3D structure:



GENOME DATABASES

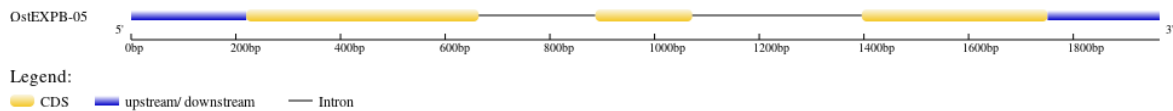
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

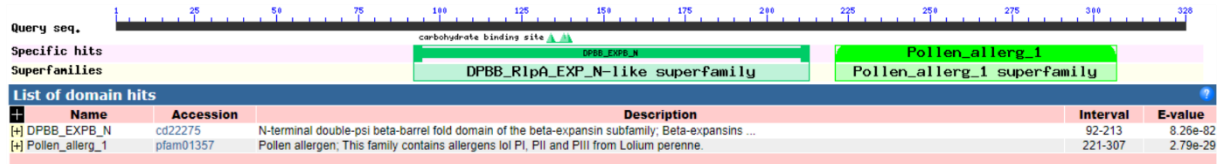
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-05

MAGRSRRRSFWSVGVAALLCLLAHGCsAKHHKPKPTPGGISGNASSSSNSSTPSI
PPPVAPTPTAPTPIIPSPGTGSSNGSSGGGGGGWLNARATWYGAPNGAGPDDNGGAC
GFKNVNLPFSAMTSCGNEPLFKDGGKGCSCYQIRCVGHPACSGLPETVIITDMNYYP
VSLYHFDLSGTAFGAMAKDNRNDELRHAGIIDIQFRRVPCQYPGLTFTFHVEQGSNP
VYMAILVEYENGDDVVQVDLMESRYSTGGVDGTPTGVTWTPMRESWGSIWRLDTN
HPLQGPFSLRITNESGKTLIADQVIPADWQPNTVYSSIVQFD*

CDS (coding sequence)

>OstEXPB-05

ATGGCGGGCAGGAGCAGGAGGAGGTCGTTTTGGTCCGTGGGCGTTGCGGCTGCTC
TGCTTTGTCTGCTGGCCGCCCATGGCTGCAGCGCCAAGCATCACAAAGCCCAAGCC
TACTCCCGGTGGCAGTGGCAATGCTTCTTCTCCTCCTCCAATTCCAGCACCC
CCAGTATTCCTCCTCCTGTTGCCCTACTCCTACTGCTCCTACTCCTCCTATTCCCA
GCCCCGGAAGTGAAGCAGCAACGGCAGCAGTGGCGGTGGCGGCGGGGTGGC
TGAACGCCCGTGGCAGCTGGTACGGCGCTCCCAACGGCGCTGGGCCGGACGACA
ACGGCGGCGCGTGTGGGTTCAAGAATGTGAACCTGCCGCCCTTCTCGGCCATGAC
TTCCTGCGGAAATGAGCCTCTCTTCAAGGACGGCAAGGGATGCGGCTCCTGCTAC
CAGATCCGATGCGTGGGGCACCCAGCCTGCTCGGGGCTCCCGGAGACGGTGATC
ATCACGGACATGAATACTACCCAGTGTGCTGTACCCTTCGACCTCAGCGGCA
CGGCGTTCGGCGCCATGGCCAAGGACAACCGCAACGACGAGCTCCGCCACGCCG
GCATCATCGACATCCAGTTCAGGAGGGTGCCTTGTGAGTATCCAGGGCTGACGGT
GACGTTCCACGTGGAGCAAGGGTCGAACCCGGTGTACATGGCGATACTGGTGGGA
GTACGAGAACGGGGACGGGGACGTGGTGCAGGTGGACCTGATGGAGTCGCGCTA
CAGCACCGGGGGCGTGGATGGGACGCCGACGGGGGTGTGGACGCCGATGAGGGA
GTCGTGGGGATCGATATGGAGGCTGGACACCAACCACCCGCTGCAGGGGCCCTTC
TCCCTCCGCATCACCAACGAGTCCGGCAAGACCCTCATCGCCGATCAGGTCATCC
CCGCCGACTGGCAGCCCAACACCGTCTACAGCTCCATCGTCCAGTTCGACTAG

Nucleotide

>OstEXPB-05

GGCCTGCAATCTAGCCATCTGTTATCTATCCATGCATCGATGTATGTATGTATGTA
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TAGCAAGCAAGCAAAGCTAATATACATAAATTGATCCAGGGATCGATCGAAATT
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TCTGCTTTGTCTGCTGGCCGCCATGGCTGCAGCGCCAAGCATCACAAGCCCAAG
CCTACTCCCAGTGGCATCAGTGGCAATGCTTCTTCTCCTCCTCCAATTCAGCAC
CCCCAGTATTCCTCCTCCTGTTGCCCTACTCCTACTGCTCCTACTCCTCCTATTCC
CAGCCCCGGAAGTGAAGCAGCAACGGCAGCAGTGGCGGTGGCGGGCGGCGGGTG
GCTGAACGCCCGTGCACCTGGTACGGCGCTCCCAACGGCGCTGGGCCGGACGA
CAACGGCGGGCGCGTGTGGGTTCAAGAATGTGAACCTGCCGCCCTTCTCGGCCATG
ACTTCTGCGGAAATGAGCCTCTCTTCAAGGACGGCAAGGGATGCGGCTCCTGCT
ACCAGGTACGTACAGTACACAATTAATCTCGATCGATCTATCTTCTTGTCTGAATT
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TCCTCCTTACTTGATTACATGTATGCATGCAAATTAATGAATCAATCAATGGTCCG
ATTTTCTATATATAACTACTACGGTAATACTATAACA