

IDENTIFICATION

Species: *Oryza sativa*

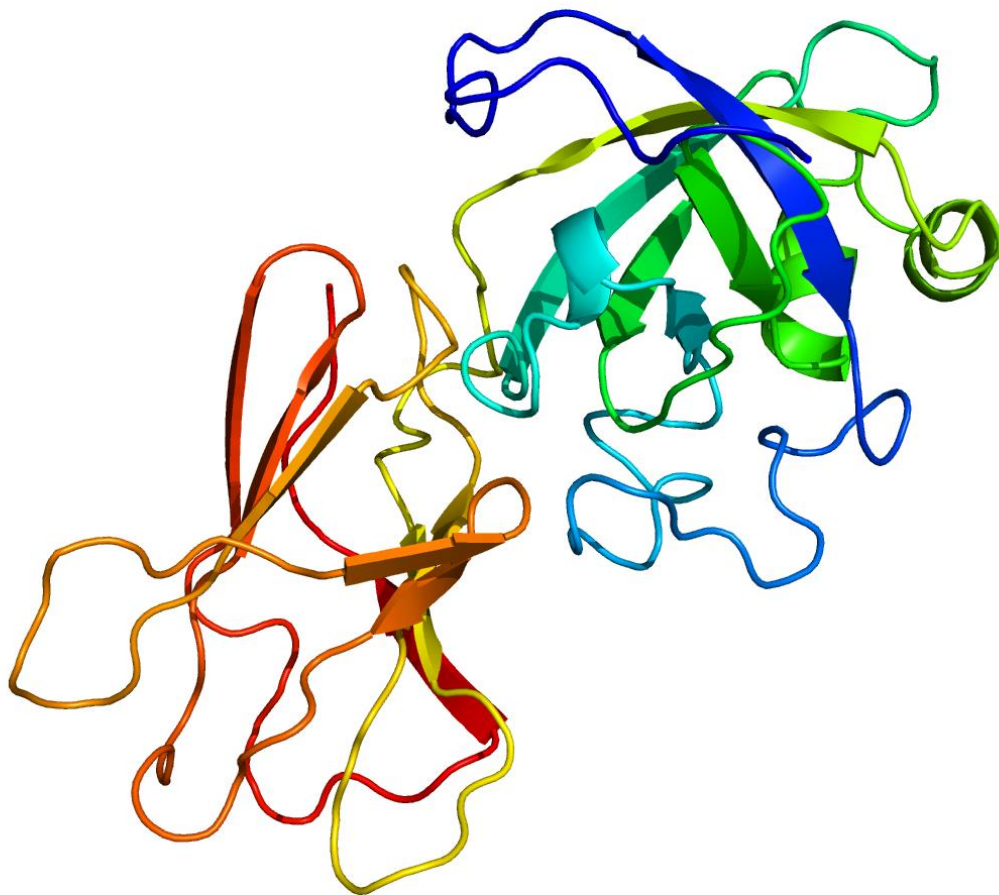
Locus: LOC_Os10g40090

Gene Model: LOC_Os10g40090.1

Description: OstEXPB-17

Family: Beta Expansin

3D structure:



GENOME DATABASES

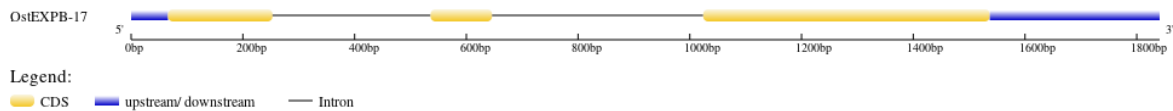
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

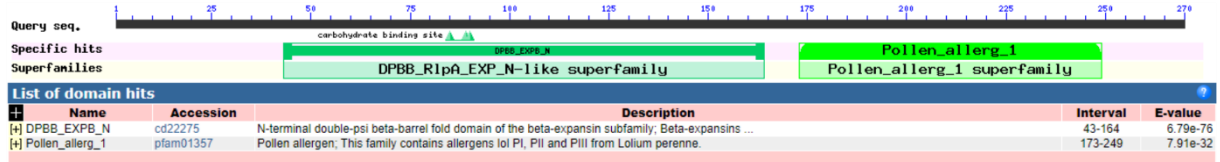
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-17

MGSLTTNIVLAVAVVAALVGGGSCGPPKVPPGPNITTNYNAPWLPARATWYGQPYG
 SGSTDNGGACGIKVNLPYNGMISCGNVPIFKDGRGCGSCYEVKCEQPAACSKQPV
 TVFITDMNYEPISAYHFDFSGKAFGAMACPGKETELRKAGIIDMQFRRVRCKYPGGQ
 KVTFFHVEKGSNPNYLAVLVKQVADDGDVIQMDLQEAGLPAWRPMKLSWGAIWRM
 DTATPLKAPFSIRVTTESGKSLIAKDVIPVNWMPDAIYVSNVQFY*

CDS (coding sequence)

>OstEXPB-17

ATGGGATCGCTCACCACCAACATCGTCCTCGCCGTCGCCGTGGTGGCAGCGCTGG
 TCGGCGGCGGGTCGTGCGGCCCGCCCAAGGTGCCACCCGGCCCGAACATCACGA
 CCAACTACAACGCCCCGTGGCTCCCCGCCAGGGCCACCTGGTACGGCCAGCCCTA
 CGGCTCCGGCTCCACCGACAATGGTGGCGCGTGCGGGATCAAGAACGTCAACCT
 GCCTCCCTACAACGGCATGATCTCCTGCGGCAACGTCCCAATCTTCAAGGACGGC
 AGGGGATGCGGCTCATGCTACGAGGTGAAGTGTGAGCAGCCGGCGGCGTGCTCG
 AAGCAGCCGGTGACGGTGTTTCATCACGGACATGAACTACGAGCCCATCTCGGCGT
 ACCACTTCGACTTCTCCGGCAAGGCGTTCGGCGCCATGGCTTGCCCGGGGAAGGA
 GACCGAGCTCCGCAAGGCCGGCATCATCGACATGCAGTTCAGGAGGGTGCCTG
 CAAGTACCCCGGCGGCCAGAAGGTCACCTTCCACGTCGAGAAGGGCTCCAACCC
 CAACTACCTCGCCGTGCTCGTCAAGTTCGTCGCCGACGACGGTGACGTCATCCAG
 ATGGACCTCCAGGAGGCCGGATTGCCAGCGTGGAGGCCCATGAAGCTGTCGTGG
 GGCGCCATCTGGAGGATGGACACCGCCACGCCACTCAAGGCACCCTTCTCCATTC
 GCGTCACCACCGAGTCCGGCAAGAGCCTCATCGCCAAGACGTCATCCCGGTCAA
 CTGGATGCCAGACGCCATCTACGTATCAAACGTCCAGTTCTATTGA

Nucleotide

>OstEXPB-17

ATCCATCTCACCACCAAAAAAAAAAAGGAAAAAAAAAACAAAACACACCAAGCCA
 AATAAAAGCGACAATGGGATCGCTCACCACCAACATCGTCCTCGCCGTCGCCGTG
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CCGAACATCACGACCAACTACAACGCCCCGTGGCTCCCCGCCAGGGCCACCTGGT
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