

IDENTIFICATION

Species: *Oryza sativa*

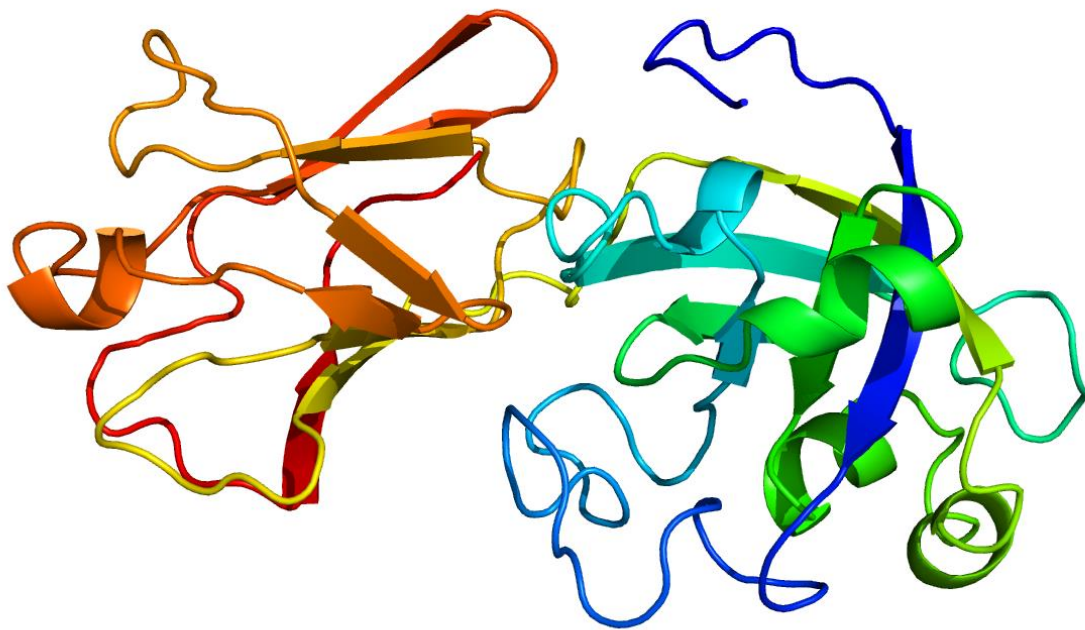
Locus: LOC_Os02g44108

Gene Model: LOC_Os02g44108.1

Description: OstEXPB-03

Family: Beta Expansin

3D structure:



GENOME DATABASES

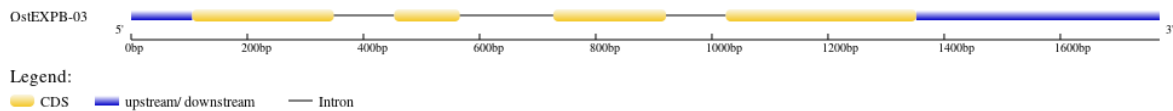
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

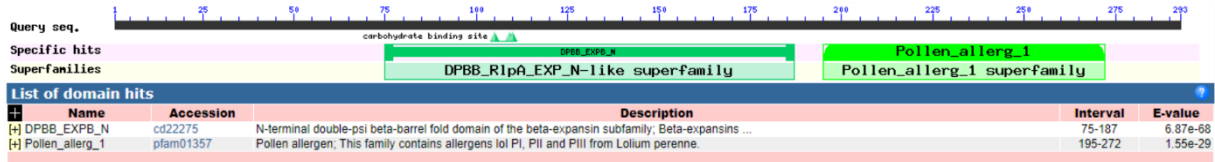
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-03

MAKSCTLVLLLVALVGLSLLVSPACSRKLSKPKPKPKPSMKKPVVRAHNNYTGSPS
 VTVTTGWAAAGATYYGAPNGDGSDDGACGYQTA VGQRPFSMIAAGSPSLYKGGK
 GCGACYEVKCTTNAACSGQPATVVITDECPGGICLAGAAHFDMSGTSMGAMAKPG
 MADKLRAAGILQVQYRRVPCKYSGVNIAFRVDQGANPFYFEVLIEFEDGDGDLNAV
 DLMEAGCGWTPMVQNWGALWRYNSNTGKALKAPFSLRLTSDSGKVLVANNVIPAS
 WKPGVTYRSLVNYS*

CDS (coding sequence)

>OstEXPB-03

ATGGCGAAATCTTGCACCTTGGTACTACTACTTGTTCGCACTGGTCGGGCTCTCACT
 TCTTGTGAGCCCCATTGCTTGCTCCCGCAAGCTCAGCAAGCCGAAACCAAGCCG
 AAGCCGAGCATGAAGAAGCCGGTGGTCCGGGCTCACAACTACACCGGTAGC
 CCGTCGGTGACGGTCACCACCGGCTGGGCGCCGCGCCGGCGCCACGTACTACGGCG
 CCCCCAACGGCGACGGCAGCGACGGCGGCGCTTGC GGCTACCAGACCGCCGTCG
 GGCAGCGGCCGTTCTCGTCGATGATCGCCGCGGGAGCCCGTCGCTGTACAAGGG
 AGGCAAGGGGTGCGGCGCGTGCTATGAGGTTAAATGCACGACCAACGCAGCTTG
 CTCCGGCCAGCCAGCCACCGTTCGTCATCACCGACGAGTGCCCCGGGGGCATCTGC
 CTCGCCGGCGCCGCGCACTTCGACATGAGCGGCACTTCCATGGGCGCCATGGCCA
 AGCCCGGCATGGCCGACAAGCTCCGCGCCCGCGGTATCCTCCAGGTCCAGTACAG
 AAGGGTGCCATGCAAGTACAGCGGCGTGAACATCGCGTTCAGGGTTGACCAGGG
 GGCAAACCCGTTCTACTTCGAGGTGCTCATCGAGTTCGAGGACGGCGACGGCGAC
 CTCAACGCCGTCGACCTGATGGAGGCCGGCTGCGGCTGGACGCCGATGGTGACG
 AACTGGGGCGCGCTCTGGCGGTACAACCTCCAACACCGGCAAGGCCCTGAAGGCG
 CCATTCTCGCTCCGCCTCACCTCCGACTCCGGCAAGGTGCTCGTCGCAAACAACG
 TCATCCCGGCGAGCTGGAAGCCCGGCGTGACGTACCGCTCCCTGGTGA ACTACTC
 CTA A

Nucleotide

>OstEXPB-03

AACTCACCCAAGAACACACTCGAGCTGAGCACGTCTAGCTAGCTATATCTCTCAA
CATCTTCCGAGCTACTACTAGTAGCTAGCTAGCTAGAGGAAGCAGCAGCAATGGC
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GGCCGTGTACGCAGGTTAAATGCACGACCAACGCAGCTTGTCCGGCCAGCCAGC
CACCGTCGTCATACCGACGAGTGCCCCGGGGGCATCTGCCTCGCCGGCGCCGCG
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ACAAGCTCCGCGCCCGCGGTATCCTCCAGGTCCAGTACAGAAGGTATATGCACAT
TCGCATCAGTGCAGAATCACGAATCAATGGCGCCGGCAAGCTGTAGTATAATTAG
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