

IDENTIFICATION

Species: *Oryza sativa*

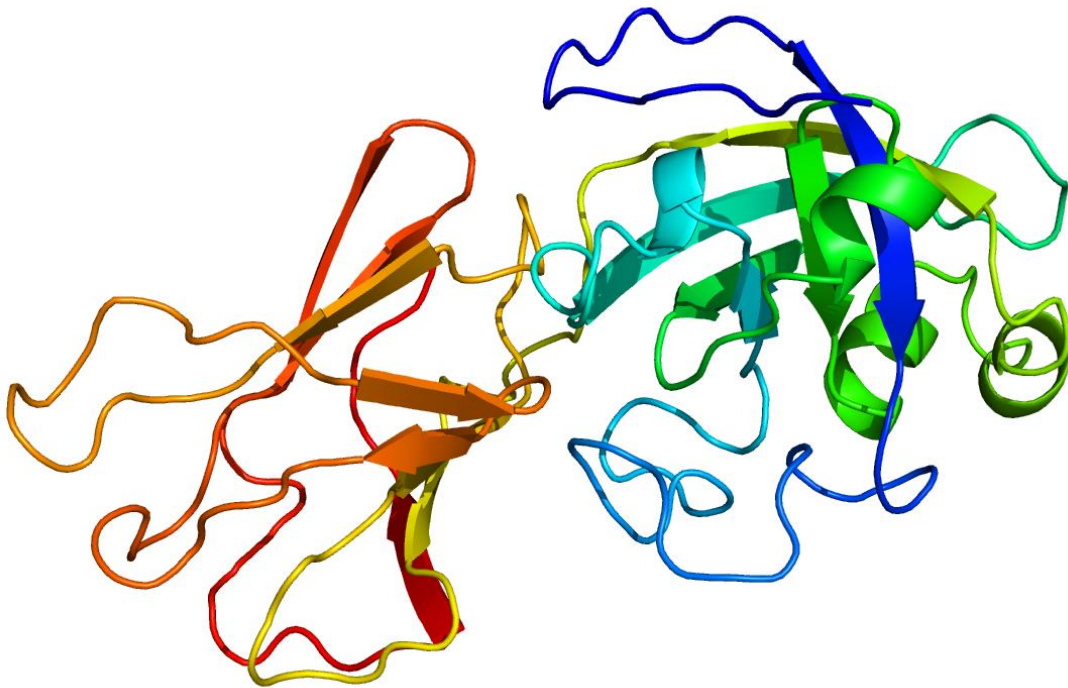
Locus: LOC_Os05g15690

Gene Model: LOC_Os05g15690.1

Description: OstEXPB-14

Family: Beta Expansin

3D structure:



GENOME DATABASES

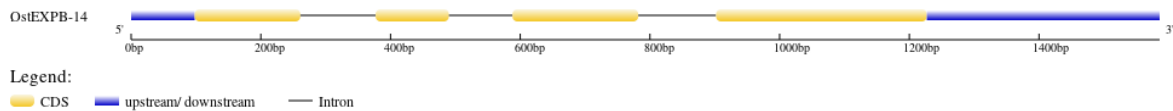
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

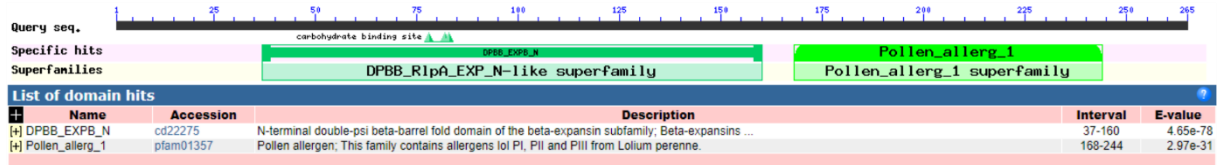
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-14

MNSKFQLILSTFVVIAAFTLLPRPCASIEFHRKLSSWSNNGGATWYGAANGAGSDGGA
CGYQAAVDQAPFSSMIAAGSPSIYKSGLGCGSCYQVKCSGNSACSGNPVTVVLTDEC
PGGPCLSEPVHFDLSGTAFGAMANPGQADQLRAAGVLQIQYNRVPCNWGGVMLTF
AVDAGSNPSYFAVLVKYENGDDLSGMDLMQTGAGAAWTPMQQSWGAVWKL
GAALQAPLSIRLTSSSGKTLVASNVIPSGWKPGASYTSTVNY*

CDS (coding sequence)

>OstEXPB-14

ATGAATTCCAAGTTCAGCTGATATTGTCAACCTTCGTTGTCATTGCCGCTTTCAC
CCTGCTTCCACGTCCTTGCCTTCCATCGAGTTCACCGCAAGCTCTCCAGCTGGT
CCAATGGCGGAGCTACGTGGTATGGTGTCTGCTAATGGCGCTGGAAGTGATGGTGG
GGCATGTGGGTACCAGGCTGCCGTCGACCAGGCACCGTTCTCGTCCATGATCGCC
GCCGGCAGCCCTTCCATCTACAAGTCCGGCCTGGGCTGCGGCTCTTGCTACCAGG
TGAAATGCAGTGGAATAGCGCTTGCTCGGGCAACCCGGTGACTGTGGTCCTCAC
CGACGAGTGCCCCGGGGGCCCGTGCCTCAGCGAGCCGGTCCACTTCGACCTGAGC
GGGACGGCGTTCGGTGCCATGGCGAATCCTGGCCAGGCCGACCAGCTGCGCGCC
GCCGGCGTCTCCAAATCCAGTACAACCGGGTGCCGTGCAACTGGGGCGGAGTG
ATGCTCACCTTCGCCGTGGACGCCGGCTCGAACCCAGCTACTTCGCGGTGCTCG
TCAAGTACGAGAACGGGGACGGCGACCTCTCCGGGATGGACCTCATGCAGACAG
GGGCCGGCGCCGCTGGACGCCGATGCAGCAGTCGTGGGGCGCCGTCTGGAAGC
TGAGCGCCGGCGCGGCGCTGCAGGCGCCGCTCTCCATCCGCCTCACGTCCAGCTC
CGGCAAGACGCTCGTCGCCAGCAACGTCATCCCTTCCGGCTGGAAGCCCGGCGCG
TCGTACACATCGACGGTGAACACTAA

Nucleotide

>OstEXPB-14

ACACACCATCTGCTTGCATCTTCCAATCTTTGCAAAGCAACAACAATCCTAGCA
AGTTAAGCTAAGCACCCAGTTAGCTAAGCTAGCTATAGCAGCCATGAATTCCAAG
TTCCAGCTGATATTGTCAACCTTCGTTGTCATTGCCGCTTTCACCCTGCTTCCACGT

CCTTGCCTTCCATCGAGTTCACCGCAAGCTCTCCAGCTGGTCCAATGGCGGAG
CTACGTGGTATGGTGTCTAATGGCGCTGGAAGTGATGGTAATTAATACATAT
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TGCAGTGCCTTAACAACAATGCAATCAATATCTTTGTGTACAGGTGGGGCATG
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AGCCCTTCCATCTACAAGTCCGGCCTGGGCTGCGGCTCTTGCTACCAGGTACACA
TTACATATATACATATACTGAGAGAGAATACCAGCCGTATATATACGATGTACAA
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GCGCTTGCTCGGGCAACCCGGTGACTGTGGTCTCACCGACGAGTGCCCCGGGGG
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ATGGCGAATCCTGGCCAGGCCGACCAGCTGCGCGCCGCCGGCGTCTCCAATCC
AGTACAACCGGTAAACATCTTACACACTGTCTTCCATATGCATGCAGCGAGCAGC
GACGGCGGCCAAGCGGCGCAACAGTTGCAATTGTGTCTTTAATCGATCATCTGA
TCGATCTTGTCGCGTGTGAGGGTGCCGTGCAACTGGGGCGGAGTGATGCTCACCT
TCGCCGTGGACGCCGGCTCGAACCCAGCTACTTCGCGGTGCTCGTCAAGTACGA
GAACGGGGACGGCGACCTCTCCGGGATGGACCTCATGCAGACAGGGGCCGGCGC
CGCCTGGACGCCGATGCAGCAGTCGTGGGGCGCCGTCTGGAAGCTGAGCGCCGG
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GTGCATGTGCACCATGCATGCAGCTTTGCAATACATATATGTCTGCAGGCAAAAG
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ACGTGCTACTATATATGAAGTTATGAACTCAATTCACAATTTCAA