

IDENTIFICATION

Species: *Oryza sativa*

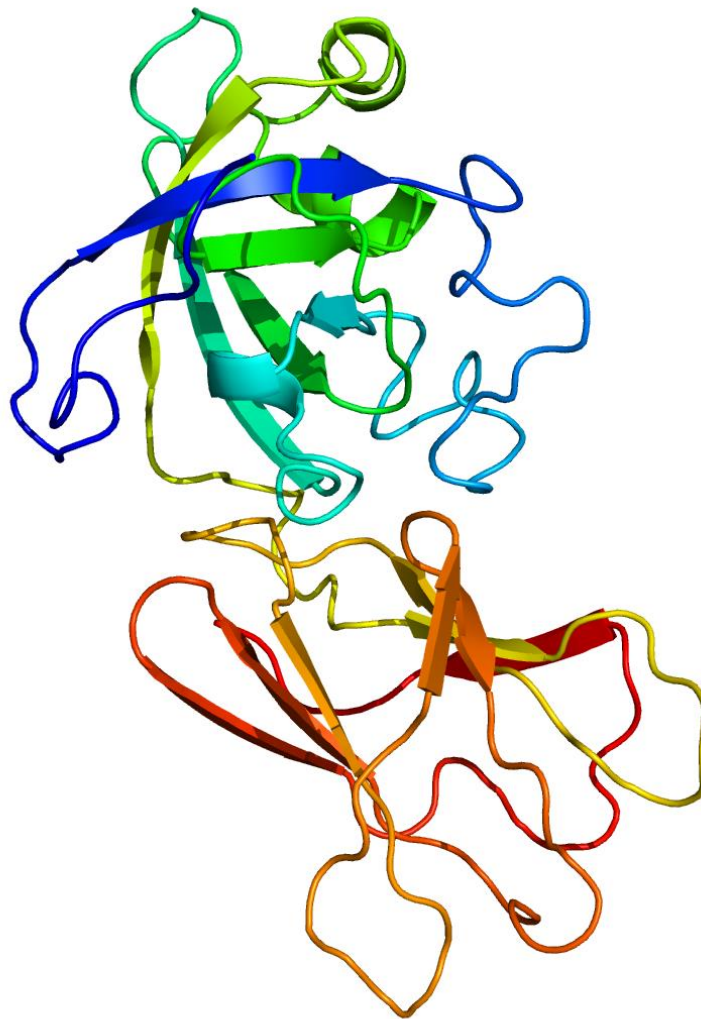
Locus: LOC_Os03g01650

Gene Model: LOC_Os03g01650.1

Description: OstEXPB-09

Family: Beta Expansin

3D structure:



GENOME DATABASES

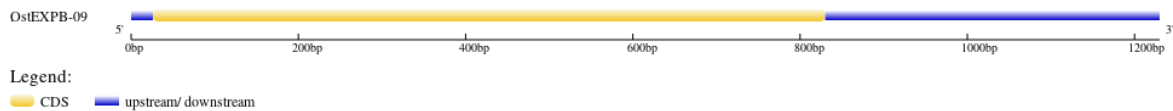
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

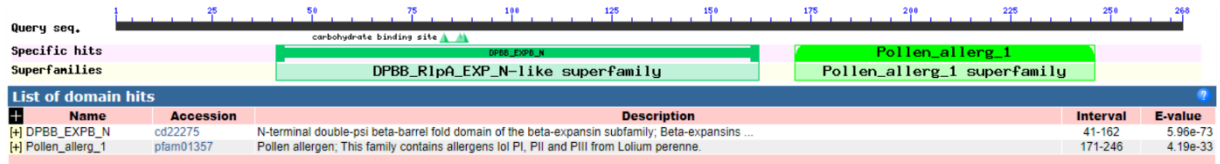
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-09

MASSSLLLACVVVAAMVSAVSCGPPKVPPGPNITTSYGDKWLEAKATWYGAPKGA
GPKDNGGACGYKDVDKAPFLGMNSCGNDPIFKDGGKCGSCFEIKCSKPEACSDKPAL
IHVTDMNDEPIAAAYHFDLSGLAFGAMAKDGKDEELRKAGIIDTQFRRVKCKYPADTK
ITFHIEKASNPNYLALLVKYVAGDGDVVEVEIKEKGSSEWKALKESWGAIWRIDTPK
PLKGPFSVRVTTEGGEKIIAEDAIPDGWKADSVYKSNVQAK*

CDS (coding sequence)

>OstEXPB-09

ATGGCATCCTCCTCCCTTCTACTCGCCTGTGTTGTGGTGGCGGCTATGGTGTCCGC
CGTCTCCTGCGGGCCACCCAAGGTGCCACCGGGCCCCAACATCACGACAAGCTAC
GGCGACAAGTGGCTGGAAGCCAAGGCCACCTGGTATGGTGCGCCCAAGGGTGCT
GGCCCCAAGGACAACGGCGGCGCCTGCGGGTACAAGGATGTCGACAAGGCTCCC
TTCCTCGGCATGAACTCCTGCGGCAACGACCCCATCTTCAAGGACGGCAAGGGCT
GCGGCTCATGCTTCGAGATCAAGTGCTCCAAGCCGGAGGCCTGCTCCGACAAGCC
CGCCCTTATCCACGTCACCGACATGAACGACGAGCCCATCGCTGCCTACCACTTT
GACCTCTCCGGCCTTGCCTTCGGCGCCATGGCTAAGGATGGCAAGGACGAAGAGC
TCCGTAAGGCCGGCATCATCGACACGCAGTTCCGCCGCGTCAAGTGCAAGTATCC
TGCCGACACCAAGATCACCTTCCACATCGAGAAGGCCTCCAACCCCAACTACCTT
GCGCTGCTAGTCAAGTACGTCGCTGGTGTGTTGACGTCGTGGAGGTGGAATCA
AGGAGAAGGGCTCCGAGGAGTGGAAGGCGCTCAAGGAGTCATGGGGTGCCATTT
GGAGGATAGACACCCCAAGCCGCTCAAGGGCCCCCTTCTCCGTCCGCGTCACCAC
CGAGGGTGGCGAGAAGATCATCGCCGAGGACGCCATCCCTGATGGCTGGAAGGC
CGACAGCGTGTACAAGTCCAACGTCCAGGCCAAGTGA

Nucleotide

>OstEXPB-09

ACCAGCAATAACATTATATTGCAGCAATGGCATCCTCCTCCCTTCTACTCGCCTGT
GTTGTGGTGGCGGCTATGGTGTCCGCCGTCTCTGCGGGCCACCCAAGGTGCCAC
CGGGCCCCAACATCACGACAAGCTACGGCGACAAGTGGCTGGAAGCCAAGGCCA

CCTGGTATGGTGCGCCCAAGGGTGCTGGCCCAAGGACAACGGCGGGCGCCTGCG
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CCCCATCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTTCGAGATCAAGTGCTCC
AAGCCGGAGGCCTGCTCCGACAAGCCCGCCCTTATCCACGTCACCGACATGAACG
ACGAGCCCATCGCTGCCTACCACTTTGACCTCTCCGGCCTTGCCTTCGGCGCCATG
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TTCCGCCGCGTCAAGTGCAAGTATCCTGCCGACACCAAGATCACCTTCCACATCG
AGAAGGCCTCCAACCCCAACTACCTTGCGCTGCTAGTCAAGTACGTCGCTGGTGA
TGGTGACGTCGTGGAGGTGGAAATCAAGGAGAAGGGCTCCGAGGAGTGGAAAGGC
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GGGCCCTTCTCCGTCCGCGTCACCACCGAGGGTGGCGAGAAGATCATCGCCGAG
GACGCCATCCCTGATGGCTGGAAGGCCGACAGCGTGTACAAGTCCAACGTCCAG
GCCAAGTGAGCATTTTAAGCAAGGAAGAAACCAGCGTACGTACGATCCGGCGCG
GCTGCCTATATATATATATATATATATATATATTATATATATATTATATACTATATAT
GTGTTGCTGCATGCTTGCATGCATGCACATATATATCCAGAGAAATATTTTTTAAA
CGAAATAATCTATAAATTTCTGAGCTAGGATTGTGGAGCATATACACGCCAGCAC
TATAATGGCGTCTGCTCTCCCATCGAACTGGCCCTGTGACAATGGGGTCAATTTGTT
TTTGCCACAATATTTTCTGCTAAATTCATTCTCTGATTTTTCGTGAGATTATCATG
AGAAGCAGTAACCATGTTGTGTATCCTTTTCTTCACGTCAAATTGCACTGCGCTAT
TTATTTACGCTGATTTGTG