

IDENTIFICATION

Species: *Oryza sativa*

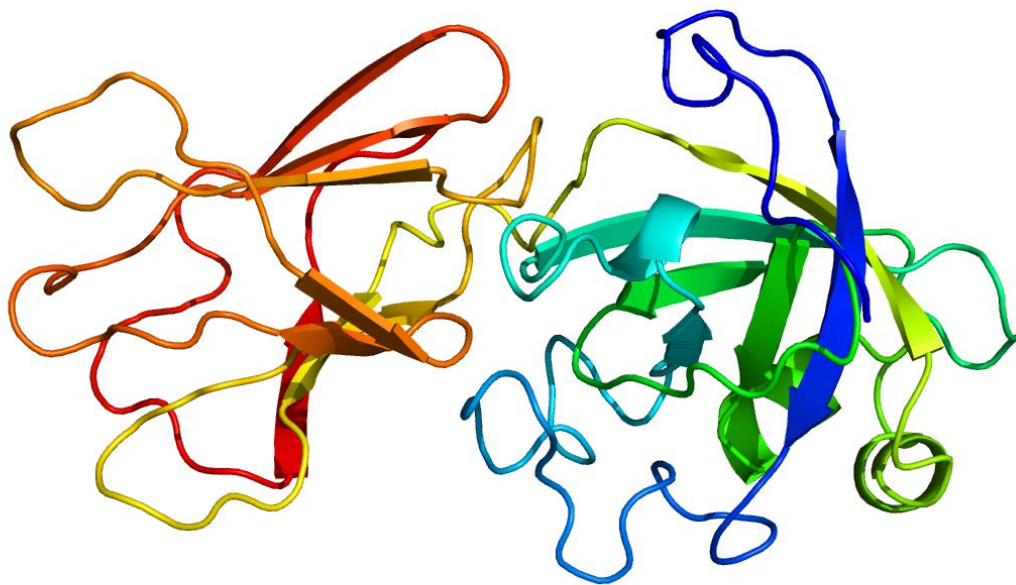
Locus: LOC_Os03g01610

Gene Model: LOC_Os03g01610.1

Description: OstEXPB-06

Family: Beta Expansin

3D structure:



GENOME DATABASES

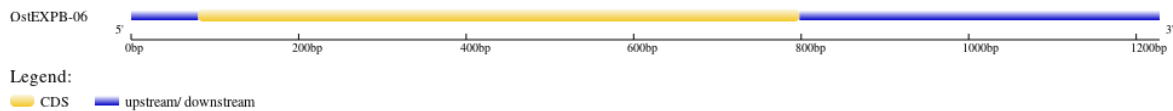
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

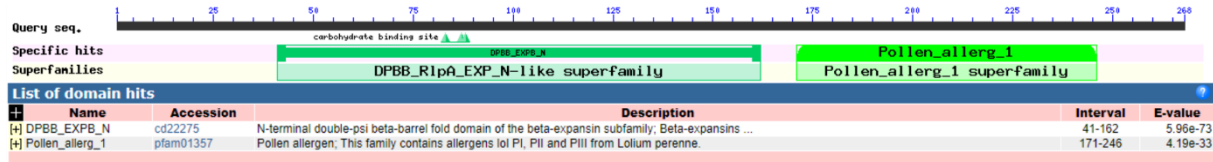
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-06

MASSSLLLACVVVAAMVSAVSCGPPKVPPGPNITTSYGDKWLEAKATWYGAPKGA
GPKDNGGACGYKDVDKAPFLGMNSCGNDPIFKDGKGCSCFEIKCSKPEACSDKPAL
IHVTDMNDEPIAAAYHFDLSGLAFGAMAKDGKDEELRKAGIIDTQFRRVKCKYPADTK
ITFHIEKASNPNYLALLVKYVAGDGDVVEVEIKEKGSSEWKALKESWGAIWRIDTPK
PLKGPFSVRVTTEGGEKIIAEDAIPDGWKADSVYKSNVQAK*

CDS (coding sequence)

>OstEXPB-06

ATGGAGTACGCGATCTTATTCGCCACGTCGTTGGTGATCACCGTGCTAGCAGCAT
CCGGCTTCGCGCCGGCGCATGGCTGGAACAAAGGGACGGCGACGTTCTACGGCG
GCGCCGACGCCTCCGGCACGATGGGTGGCGCGTGCGGGTACGGGAACCTGTACA
CGGCGGGGTACGGGACGAACACGGCGGCGCTGAGCTCGGTGCTGTTCAACGACG
GGTGGTCTGTCGGGCAGTGCTACCTGATCATGTGCGACGCCGCCGCGACGCCGCA
GTGGTGCAGGGCGGGCGCCGCGGTGACCATCACGGCCACCAACCTGTGCCC GCC
CAACTGGGCTCTCCCCAGCAACAGCGGGCGGTGGTGCAACCCGCCCCGCCCTCAC
TTCGACATGGCCGAGCCCGCCTGGCTCCAGATCGGCATCTACAAGGCCGGCATCA
TCCCCGTCCTTACCAACAGGTGAAGTGCTGGAGGCAGGGAGGGATCAGGTTAC
GATGGGAGGGTTCAACTTCTTCGAGCTGGTGCTGGTGTCGAACGTGGCGGGGAGC
GGGTCGGTGAGGTCGGTGTCGGTGAAGGGGGGAAGCACGGGGTGGATCACGCTG
AACCGGAAC TGGGGCGCCA ACTGGCAGTGCAACTCGGGGCTCGTCGGCCAGGCG
CTCTCCTTCGCCGTCACATCCACCGGCGGCCAGACGCTCTACATCTACAACGTCGT
GCCAGCTGGTGGAGCTTCGGCATGACATTCACCAGCAACCAGCAGTTCAGTTAT
TAG

Nucleotide

>OstEXPB-06

GTATCATCCACCAGCAATAACATTATATTGCAGCAATGGCATCCTCCTCCCTTCTA
CTCGCCTGTGTTGTGGTGGCGGCTATGGTGTCCGCCGTCCTGCGGGCCACCCA
AGGTGCCACCGGGCCCCAACATCACGACAAGCTACGGCGACAAGTGGCTGGAAG
CCAAGGCCACCTGGTATGGTGCGCCCAAGGGTGCTGGCCCCAAGGACAACGGCG

GCGCCTGCGGGTACAAGGATGTCGACAAGGCTCCCTTCCTCGGCATGAACTCCTG
CGGCAACGACCCCATCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTTCGAGATC
AAGTGCTCCAAGCCGGAGGCCTGCTCCGACAAGCCCGCCCTTATCCACGTCACCG
ACATGAACGACGAGCCCATCGCTGCCTACCACTTTGACCTCTCCGGCCTTGCCTTC
GGCGCCATGGCTAAGGATGGCAAGGACGAAGAGCTCCGTAAGGCCGGGCATCATC
GACACGCAGTTCGCGCCGCGTCAAGTGCAAGTATCCTGCCGACACCAAGATCACCT
TCCACATCGAGAAGGCCTCCAACCCCAACTACCTTGCGCTGCTAGTCAAGTACGT
CGCTGGTGATGGTGACGTCGTGGAGGTGGAAATCAAGGAGAAGGGCTCCGAGGA
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GCCGCTCAAGGGCCCCTTCTCCGTCCGCGTCACCACCGAGGGTGGCGAGAAGATC
ATCGCCGAGGACGCCATCCCTGATGGCTGGAAGGCCGACAGCGTGTACAAGTCC
AACGTCCAGGCCAAGTGAGCATTTTAAGCAAGGAAGAAACCAGCGTACGTACGA
TCCGGCGCGGCTGCCTATATATATATATATATATATATATATATATATATATATTATA
TACTATATATGTGTTGCTGCATGCTTGCATGCATGCACATATATATCCAGAGAAAT
ATTTTTTAAACGAAATAATCTATAAATTTCTGAGCTAGGATTGTGGAGCATATAC
ACGCCAGCACTATAATGGCGTCTGCTCTCCCATCGAACTGGCCCTGTGACAATGG
GGTCATTTGTTTTTGCCACAATTTTTCTGCTAAATTCATTCTCTGATTTTTCGTG
AGATTATCATGAGAAGCAGTAACCATGTTGTGTATCCTTTTCTTCACGTCAAATTG
CACTGCGCTATTTATTTA