IDENTIFICATION

Species: *Oryza sativa*

Locus: LOC_Os03g01260

Gene Model: LOC_Os03g01260.1

Description: OstEXPB-04

Family: Beta Expansin

3D structure:

GENOME DATABASES

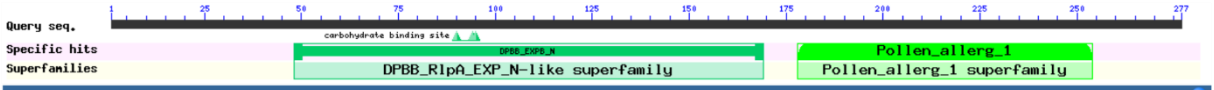
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0
KEGG: https://www.genome.jp/entry/T01015

EXTERNAL RESOURCES

http://rice.uga.edu/

GENE STRUCTURE

DOMAIN ARCHITECTURE



List of domain hits

Name	Accession	Description	Interval	E-value
[+] DPBB_EXPB_N	cd22275	N-terminal double-psi beta-barrel fold domain of the beta-expansin subfamily; Beta-expansins ...	48-169	6.71e-64
[+] Pollen_allerg_1	pfam01357	Pollen allergen; This family contains allergens lol PI, PII and PIII from Lolium perenne.	178-254	1.82e-30

SEQUENCES

Peptide

>OstEXPB-04

MVSGDVGVVVYYLLLVLVVVQGCKGSSAVQGEGRWYNESEAIGGAAAWGNAKAT
WYGQPNGAGAADNGGACGFKKVNQYPFMGMTSCGNQPLYKGGKGCGSCYRVRCN
RNPACSGNAQTVAITDMNYFPLSQYHFDLSGIAFGRLAKPGRADDLRRAGIIDVQFAR
VPCEFPGLKVGFHVEEGSSPVYLAVLVEYENGDGDVAQVDLKEAGAGGGRWTPMR
ESWGSVWRLDSNHRLRAPFSIRIRSDSGKTLVAPDVIPLNWTPNTFYRSFVQYSS*

CDS (coding sequence)

>OstEXPB-04

ATGGTTAGCGGTGATGTAGGAGTAGTAGTGTACTACCTGCTGCTAGTATTAGTGG
TGGTGCAGGGGTGCAAAGGCAGCAGCGCGGTGCAGGGTGAAGGTCGGTGGTACA
ACGAGAGCGAGGCCATCGGTGGTGCGGCGGCGTGGGGGAACGCGAAGGCGACGT
GGTACGGGCAGCCGAACGGCGCCGGGGCGGCGGACAACGGCGGGGCGTGCGGG
TTCAAGAAGGTGAACCAGTACCCGTTCATGGGGATGACGTCGTGCGGGAACCAG
CCGCTGTACAAGGGCGGCAAGGGCTGCGGCTCCTGCTACCGCGTCAGGTGCAATC
GAAACCCCGCCTGCTCCGGCAACGCCCAGACCGTCGCCATCACCGACATGAACTA
CTTCCCCCTCTCCCAGTACCACTTCGACCTCAGCGGCATCGCCTTCGGCCGCCTCG
CCAAGCCCGGCCGCGCCGACGACCTCCGCCGCGCGGGGATCATCGACGTGCAGTT
CGCGCGCGTGCCGTGCGAGTTCCCGGGCCTCAAGGTGGGATTCCACGTGGAGGA
AGGGTCCAGCCCCGTGTACCTGGCGGTGCTGGTGGAGTACGAGAACGGCGACGG
AGACGTGGCGCAGGTGGACCTCAAGGAGGCCGGCGCCGGAGGAGGAAGGTGGA
CGCCGATGCGGGAGTCGTGGGGGTCGGTGTGGAGGCTGGACTCCAACCACCGCC
TGCGGGCGCCATTCTCCATCCGCATCCGGAGCGACTCCGGCAAGACGTTGGTGGC
ACCCGACGTCATCCCCCTCAACTGGACGCCCAACACCTTCTACCGTTCCTTCGTCC
AGTACTCCTCCTAG

Nucleotide

>OstEXPB-04

ACTTTCAATTCGTTGCTCTCCTCCCCGGCCGGTAGGCAGCAACAAGCTGTAAGCA
CAAGTATCGAAATGGTTAGCGGTGATGTAGGAGTAGTAGTGTACTACCTGCTGCT

AGTATTAGTGGTGGTGCAGGGGTGCAAAGGCAGCAGCGCGGTGCAGGGTGAAGG
TCGGTGGTACAACGAGAGCGAGGCCATCGGTGGTGCGGCGGCGTGGGGGAACGC
GAAGGCGACGTGGTACGGGCAGCCGAACGGCGCCGGGGCGGCGGACAACGGCG
GGGCGTGCGGGTTCAAGAAGGTGAACCAGTACCCGTTCATGGGGATGACGTCGT
GCGGGAACCAGCCGCTGTACAAGGGCGGCAAGGGCTGCGGCTCCTGCTACCGCG
TCAGGTGCAATCGAAACCCCGCCTGCTCCGGCAACGCCCAGACCGTCGCCATCAC
CGACATGAACTACTTCCCCCTCTCCCAGTACCACTTCGACCTCAGCGGCATCGCCT
TCGGCCGCCTCGCCAAGCCCGGCCGCGCCGACGACCTCCGCCGCGCGGGGATCAT
CGACGTGCAGTTCGCGCGCGTGCCGTGCGAGTTCCCGGGCCTCAAGGTGGGATTC
CACGTGGAGGAAGGGTCCAGCCCCGTGTACCTGGCGGTGCTGGTGGAGTACGAG
AACGGCGACGGAGACGTGGCGCAGGTGGACCTCAAGGAGGCCGGCGCCGGAGG
AGGAAGGTGGACGCCGATGCGGGAGTCGTGGGGGTCGGTGTGGAGGCTGGACTC
CAACCACCGCCTGCGGGCGCCATTCTCCATCCGCATCCGGAGCGACTCCGGCAAG
ACGTTGGTGGCACCCGACGTCATCCCCCTCAACTGGACGCCCAACACCTTCTACC
GTTCCTTCGTCCAGTACTCCTCCTAGCTAGCTACTCCTATACCCATTAATTCTTCCC
TAATTATTCCTTCTTGTTATTATATTCTACCCTTATATATATATATATATATATGTTAT
TAATTCCGATATCATCATATATAATTAAGTACTAAAATACATATGCATATGCATG
CATGGACTAGTAA