

IDENTIFICATION

Species: *Oryza sativa*

Locus: LOC_Os10g40710

Gene Model: LOC_Os10g40710.1

Description: OstEXPB-19

Family: Beta Expansin

3D structure:



GENOME DATABASES

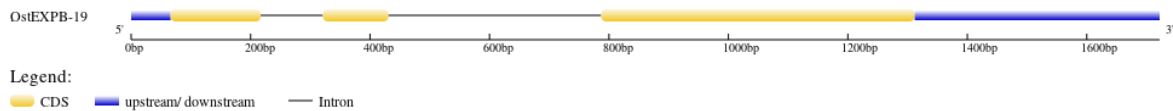
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

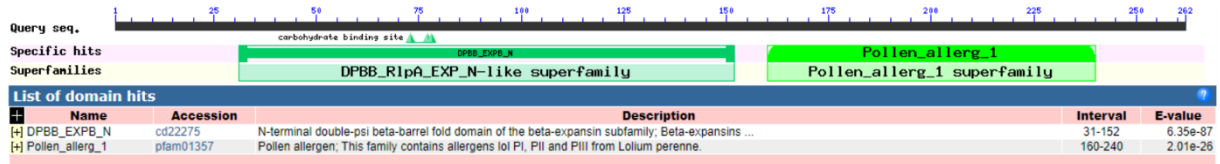
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-19

MAGASAKVVAMLLSVLATYGFAAGVVYTNDWLPAKATWYGQPNGAGPDDNGGA
 CGFKNTNQYPFMSMTSCGNEPLFQDGKGCACGYQIRCTNNPSCSGQPRVTIITDMNY
 YPVARYHFDLSGTAFGAMARPLNDQLRHAGIIDIQFRRVPCYHRGLYVNFHVEAGS
 NPVYLAVLVEFANKDGTVVQLDVMESLPSGKPTRVWTPMRRSWGSIWRLDANHRL
 QGPFSLRMVSESGQTVIAHQVIPANWRANTNYGSKVQFR*

CDS (coding sequence)

>OstEXPB-19

ATGGCTGGGGCCTCTGCCAAGGTCGTCGCGATGCTGCTCTCCGTGCTCGCCACGT
 ACGGCTTCGCCGCCGGCGTCGTCTACACCAACGACTGGCTCCCGGCCAAGGCCAC
 CTGGTACGGCCAGCCCAACGGCGCCGGACCCGACGACAACGGCGGTGCGTGCGG
 GTTCAAGAACACCAACCAGTACCCGTTTCATGTCCATGACCTCCTGCGGCAACGAG
 CCTCTGTTCCAGGACGGCAAGGGCTGTGGCGCCTGCTACCAGATACGGGTGCACCA
 ACAACCCGTCGTGCTCCGGGCAGCCAGGACGGTGATCATCACGGACATGAACT
 ACTACCCCGTGGCCAGGTACCACTTCGACCTGAGCGGCACGGCGTTCGGCGCCAT
 GGCGAGGCCGGGGCTGAACGACCAGCTCCGCCACGCCGGCATCATCGACATCCA
 GTTCAGGCGCGTCCCGTGCTACCACCGCGGCCTCTACGTGAACTTCCACGTCGAG
 GCCGGGTCCAACCCGGTGTACCTCGCCGTGCTGGTGGAGTTCGCCAACAAGGACG
 GCACGGTGGTGCAGCTCGACGTCATGGAGTCGCTCCCCAGCGGCAAGCCGACGC
 GGGTCTGGACGCCCATGCGCCGCTCCTGGGGATCCATCTGGCGCCTCGACGCCAA
 CCACCGCCTCCAGGGCCCCTTCTCCCTCCGCATGGTCAGCGAGTCCGGCCAGACC
 GTCATCGCCACCAGGTCATCCCGGCCAACTGGAGGGCCAACACCAACTACGGCT
 CCAAAGTCCAGTTCGGTTGA

Nucleotide

>OstEXPB-19

AAAACACAAAGCAGACAAGGTAGTAGTACAGGCTTTTGTACGTACGTAGCAGAG
 GGAGTTCCCAAGATGGCTGGGGCCTCTGCCAAGGTCGTCGCGATGCTGCTCTCCG
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 GGCCAAGGCCACCTGGTACGGCCAGCCCAACGGCGCCGGACCCGACGACAACGG

TGCGTGTAGTACATGCATTTTTTGCAAATTACGCTGTCGTACGTATGTGCTCTTCT
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TGCGGGTTCAAGAACACCAACCAGTACCCGTTTCATGTCCATGACCTCCTGCGGCA
ACGAGCCTCTGTTCCAGGACGGCAAGGGCTGTGGCGCCTGCTACCAGGTATAGTA
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GTGGGTATGGAACCTTCTGATCATAAATAAATCCGTACCAACATAATTTTGTTTAC
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GGTCAACGGGCCTTGAAATCCGTGGGTAAACACGTTCTTCAGTTCAGCGTTTGACT
TTGTGCTAGCTGCTGCTTAATTACATGCACATATGGATTAATTTTGCCCTTAATTA
TATTCCTCATCATCAGATACGGTGCACCAACAACCCGTCGTGCTCCGGGCAGCCC
AGGACGGTGATCATCACGGACATGAACTACTACCCCGTGGCCAGGTACCACTTCC
ACCTGAGCGGCACGGCGTTCGGCGCCATGGCGAGGCCGGGGCTGAACGACCAGC
TCCGCCACGCCGGCATCATCGACATCCAGTTCAGGCGCGTCCCCTGCTACCACCG
CGGCCTCTACGTGAACTTCCACGTCGAGGCCGGGTCCAACCCGGTGTACCTCGCC
GTGCTGGTGGAGTTCGCCAACAAAGGACGGCACGGTGGTGCAGCTCGACGTCATG
GAGTCGCTCCCCAGCGGCAAGCCGACGCGGGTCTGGACGCCCATGCGCCGCTCCT
GGGGATCCATCTGGCGCCTCGACGCCAACCACCGCCTCCAGGGCCCCCTTCTCCCT
CCGCATGGTCAGCGAGTCCGGCCAGACCGTCATCGCCCACCAGGTCATCCCGGCC
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