

IDENTIFICATION

Species: *Oryza sativa*

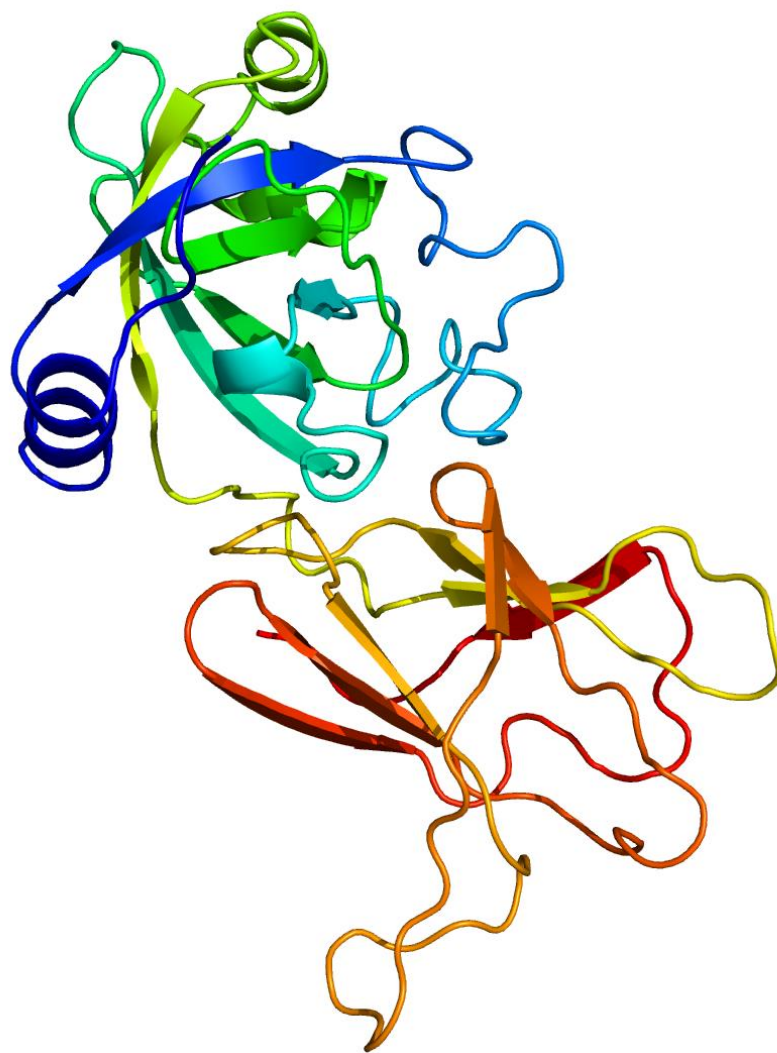
Locus: LOC_Os10g40700

Gene Model: LOC_Os10g40700.1

Description: OstEXPB-18

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>

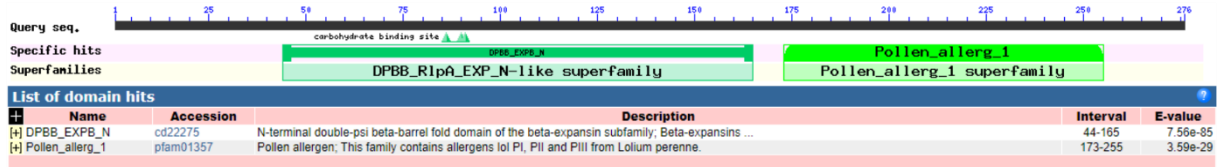
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-18

MAARMGSKVAAILAILSVLVHGSCKGHPVNYNVSDASAYGSGWLPARATWYGAP
TGAGPDDNGGACGFKNVNQYPFSSMTSCGNEPIFKDGGKGCSCYQIRCNDPSCSGN
IETVIITDMNYYPVARYHFDSLGTAFGAMAKPGLNDKLRHSGIIDIQFRRVPCNYPGL
KINFHVEEGSNPVYFAVLVEYEDLDGDVVQVDLMESKSA YGGATGVWTPMRESWG
SIWRLDSNHRLQAPFSLRIRSDSGKTLVANNVIPANWSPNSNYRSIVQFS*

CDS (coding sequence)

>OstEXPB-18

ATGGCAGCCAGAATGGGCAGCAAGGTCGCTGCAATCCTCGCGATTCTGTCCGTGC
TCGTGGTGCATGGCTCTTGCAAGGGGCATCCTGTGAAC TACAACGTCTCCGACGC
CTCCGCCTACGGCTCCGGCTGGCTCCCTGCCCGGGCAACCTGGTATGGCGCTCCC
ACCGGCGCCGGCCCTGACGACAACGGCGGCGCTTGCGGGTTCAAGAACGTGAAC
CAGTACCCATTCTCGTCCATGACCTCCTGCGGCAACGAGCCCATCTTCAAGGACG
GCAAGGGCTGCGGCTCATGCTACCAGATCAGGTGCAACAAGGACCCGTCTGTGCTC
GGGCAACATCGAGACGGTGATCATCACCGACATGAACTACTACCCCGTGGCCAG
GTACCACTTCGACCTGAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCGGGGCTC
AACGACAAGCTCCGCCACTCGGGCATCATCGACATCCAGTTCAGGCGCGTCCCCT
GCAACTACCCGGGCTCAAGATCAACTTCCACGTTCGAGGAGGGCTCCAACCCGGT
GTACTTCGCCGTGCTCGTTCGAGTACGAGGACCTCGACGGCGACGTCGTGCAGGTC
GACCTCATGGAGTCCAAGTCGGCGTACGGCGGCGCCACCGGCGTCTGGACGCCG
ATGAGGGAGTCGTGGGGCTCCATCTGGCGCCTCGACTCCAACCACCGCCTCCAGG
CGCCCTTCTCCCTCCGCATCCGCAGCGACTCCGGCAAGACGCTCGTCGCCAACAA
CGTCATCCCGGCGAACTGGTCCCCCAACTCCAAC TACCCTCCATCGTCCAGTTC
AGCTAG

Nucleotide

>OstEXPB-18

AACCATCAAACCACACACCAGACAATACTTACTACCACTACTACTGCTGCTGCTG
CCAGTTCTAGCTAGCCTACTGCTCTTCTCCGAGCTGAAGATTTTTTCGAGCTAGCTA

GGATGGCAGCCAGAATGGGCAGCAAGGTCGCTGCAATCCTCGCGATTCTGTCCGT
GCTCGTGGTGCATGGCTCTTGCAAGGGGCATCCTGTGAACTACAACGTCTCCGAC
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ATTTGTTTGACTTGGTTGTTACAGATCAGGTGCAACAAGGACCCGTCGTGCTCGG
GCAACATCGAGACGGTGATCATCACCGACATGAACTACTACCCCGTGGCCAGGTA
CCACTTCGACCTGAGCGGCACGGCGTTTCGGCGCCATGGCCAAGCCGGGGCTCAAC
GACAAGCTCCGCCACTCGGGCATCATCGACATCCAGTTCAGGCGCGTCCCCTGCA
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CTTCGCCGTGCTCGTCGAGTACGAGGACCTCGACGGCGACGTCGTGCAGGTCGAC
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CCTTCTCCCTCCGCATCCGCAGCGACTCCGGCAAGACGCTCGTCGCCAACAACGT
CATCCCGGCGAACTGGTCCCCCAACTCCAACTACCGCTCCATCGTCCAGTTCAGC
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