

IDENTIFICATION

Species: *Oryza brachyantha*

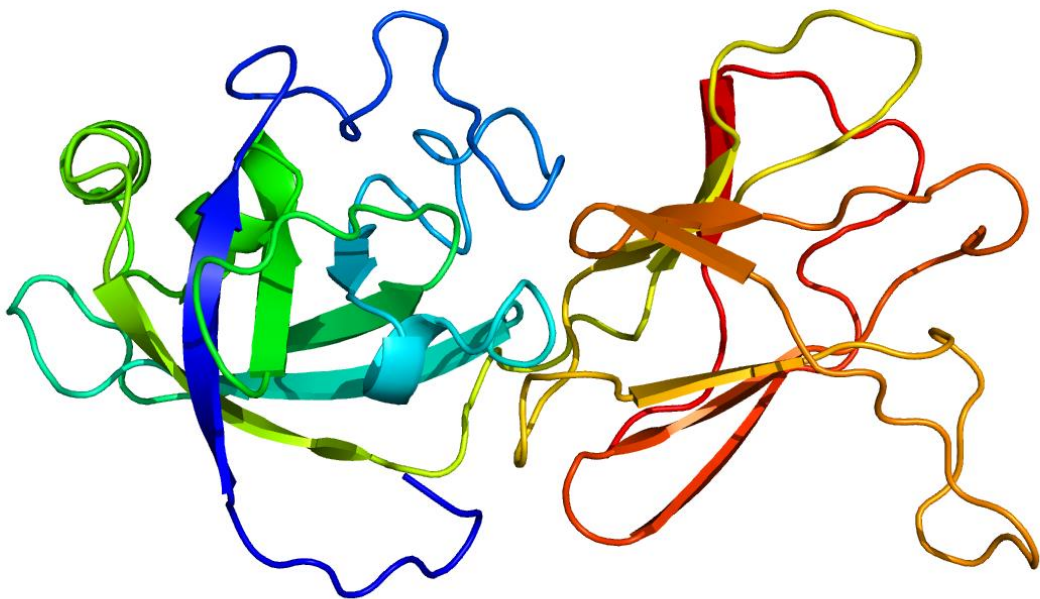
Locus: XP_006662048

Gene Model: XP_006662048.1

Description: ObEXPB-16

Family: Beta Expansin

3D structure:



GENOME DATABASES

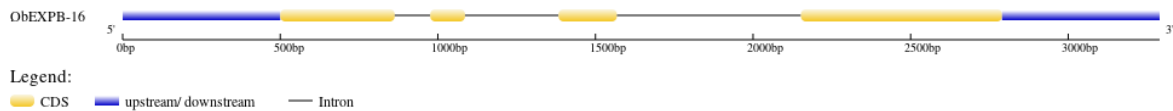
NCBI: https://www.ncbi.nlm.nih.gov/genome/10862?genome_assembly_id=1593936

KEGG: <https://www.genome.jp/entry/T02995>

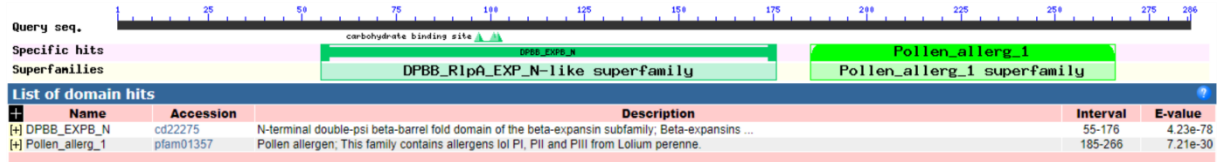
EXTERNAL RESOURCES

<https://rice-genome-hub.southgreen.fr/organism/1941498>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>ObEXPB-16

MGSLPSLATAAAVLLSILLAAGHCGAADFNATDEFAGNGVDFNSSDAAVYWGPW
TKARATWYQGPNAGPDDNGGACGFKHTNQYPFMSMTSCGNQPLFKDGGKGCSCY
KIRCTKDPSCSGRTETVIITDMNYYVPVAPFHFDLSGTAFGRLAKPGLNDKLRHSGIIDIE
FTRVPCEFPGLKIGFHVVEFSNPVYFAVLVEYEDGDGDVVQVDLMESKSAYGGATGV
WTPMRESWGSIWRLDANHRLQAPFSIRIRNESGKTLVAKNVIPANWRPNTFYRSFVQ
YS

CDS (coding sequence)

>ObEXPB-16

ACTACGGCCACCCAGACCACACACCGCTCTTCACTTCACACCTCTCATCGGATCC
CTGCGACCCGGGCGAGCCACATTGCGCCGTTGCGCAGGGAGGAGCCTTTTTGCGGT
GGCTGCTGCGTGAGTGAGAGGAGCTTGCTCATGGGTTGCTGCCCTCGCTCGCCA
CCGCGGCAGCGGCGGTGCTTCTGTCCATCCTCCTCGCCGCCGGCCACTGCGGCGC
CGCCGACTTCAACGCCACCGACGAGTTCGCCGGCAACGGCGTCGACTTCAACTCC
AGCGACGCGGCCGCTACTGGGGCCCTGGACCAAGGCCAGGGCCACCTGGTAC
GGCCAGCCCAACGGCGCCGGCCCCGACGACAACGGCGGCGCGTGTGGGTTCAAG
CACACCAACCAGTACCCGTTTCATGTCGATGACCTCCTGCGGCAACCAGCCATTGT
TCAAGGACGGCAAGGGGTGCGGCTCTTGCTACAAGATCAGATGCACCAAAGACC
CGTCGTGCTCCGGCAGGACGGAGACGGTGATCATCACCGACATGAATACTACCC
GGTGGCCCCCTTCCACTTCGATCTCAGCGGCACGGCGTTCGGCAGGCTCGCCAAG
CCGGGCCTCAACGACAAGCTCCGCCACTCCGGCATCATCGACATCGAGTTCACCA
GGGTGCCATGCGAGTTCCCGGGGCTCAAGATCGGGTTCACGTGGAGGAGTTCTC
GAACCCGGTGTACTTCGCCGTGCTGGTGGAGTACGAGGACGGCGACGGCGACGT
GGTGCAGGTGGACCTGATGGAGTCCAAGTCGGCGTACGGCGGCGCCACCGGGGT
GTGGACGCCGATGCGGGAGTCGTGGGGCTCCATCTGGCGGCTGGACGCCAACCA
CCGCCTCCAGGCGCCCTTCTCCATCCGCATCCGCAACGAGTCCGGCAAGACGCTC
GTCGCCAAGAACGTCATCCCGGCCAACTGGAGGCCAACACCTTCTACCGCTCCT
TCGTCCAGTACAGCTGAGCCGCCGCCGACGCGGGCGATCGCCGCCGGCCACCCT
GCTGCTGCTAGCAATACTACTACTGCTGTGATGATGACTAGTAGTTCGTTCTGTA
ATTGGTCTTCTGCGTTGTTGGTGTGCGGTTTTGGTGTGGGGGATTTGCAGAAACC

GGGCGAGCGGAAAGAAAAGCAGTGTGGGAAAATGGAGGAGGAAGGCGTACAAG
GCTACGCTCTCCCGCCCACTGTCGCTTTTATAATTTATCATTTTCAAATGGTGATC
GATATGATGATTAATCAAAGTATATTGCTACTTAA

Nucleotide

>ObEXPB-16

AGCAATCCGTTGTTTATCCCGCGGAATGCAGTGGCAGCAGCAGTAATAGCAATGA
ATTGGATCCACACAACCTCTGTACTGGATGGATCATGGCACCATTGTCATGGAGCT
AGCCTGAACCTCTCTTTCTCTCACGGCATGCACATGCCGACATTTCCCAACACACA
AGCAGCAGCAGCAGCGGTAGCACCTTCTGCTCTCTCTCGTGCCGTCAGGGTGGCC
GTCCGACGTGGGACGATGAACCAGCTGAGCTAAGCTCAGCACAGGCTATCTATCT
ACCAGCCCCAACTATCATCTGCCAACTTTTAATACGCGCTGCCGTAGGAAGAAGA
AGAAGATGAGCATGTCACCGTGCCAGGCCATGTGCCGCGGCCCAACATGGCACG
TTCTCCCCTTCAGTTCTGGGCTCACACACACACACTCTCTCTCACTAGCCAGTAGT
AGTAGAGAGTACCAGTGACCAGTGTTGTGCCCTTCCGGCTTATAAATACACGCTT
CCGCACTACGGCCACCCAGACCACACACCGCTCTTCACTTCACACCTCTCATCGG
ATCCCTGCGACCGGGCGAGCCACATTGCGCCGTTGCGCAGGGAGGAGCCTTTTTG
CGGTGGCTGCTGCGTGAGTGAGAGGAGCTTGCTCATGGGTTCGCTGCCCTCGCTC
GCCACCGCGGCAGCGGGCGGTGCTTCTGTCCATCCTCCTCGCCGCCGGCCACTGCG
GCGCCGCCGACTTCAACGCCACCGACGAGTTCGCCGCAACGGCGTCGACTTCAA
CTCCAGCGACGCGGCCGTCTACTGGGGCCCCCTGGACCAAGGCCAGGGCCACCTG
GTACGGCCAGCCCAACGGCGCCGGCCCCGACGACAACGGTACGGCCGACGACCA
CGGATCCATCCACACAAACACATTTCCATCCCGTTTCTTTCTTTCTTTCCGGCAAT
GTGGCTTCATGTGTTGCTCCTCCTCCAAATCTTTGATCCAGGCGGGCGCGTGTGGGT
TCAAGCACACCAACCAGTACCCGTTTCATGTCGATGACCTCCTGCGGCAACCAGCC
ATTGTTCAAGGACGGCAAGGGGTGCGGCTCTTGCTACAAGGTGAGTGGAGTAAC
ATAGAGATTAAGAAAGAAAAGAATGGGGCCTAACTGCCAAAGCAGCATTGCC
GTTGCCGTCTTGACCATCGGTCTGCAGATGGGACCCACCCACGCGGGCATGTGCG
GCGTTGGGCCACCCGGTTTCGGTGGCAGTGATTGGCGCGCCAATATGCATTCAT
TGTTTCATCACGATCGCTCCTCCCGTTCTCTGTGATGGCAATGACCTGACGTTTTG
GAGTTTCTTTCTTTTTTTTTTTTCTTTCTTTCTTTCTTTGTGTGTGTGTGTGGTTTT
ACAGATCAGATGCACCAAAGACCCGTGCTGCTCCGGCAGGACGGAGACGGTGAT
CATCACCGACATGAACTACTACCCGGTGGCCCCCTTCCACTTCGATCTCAGCGGC
ACGGCGTTTCGGCAGGCTCGCCAAGCCGGGCCTCAACGACAAGCTCCGCCACTCCG
GCATCATCGACATCGAGTTCACCAGGTGAGTGAACCCCTCTCCACATTGCCGTTG
CAACCTCGCAACCGTACTGTACCAACGTATAGTAGTACTAGTAGTTTTGTTTCCCT
CCAAATCTCCCGTTGAAATTTGCTAGGAGTAGTACTGCCAGTAGCAGTGCGCGCG
GCGAACGCTAAAGTTGTGGATCCACCCAACCTGCACACTTTACTACTACTTGCCCG
GACACTGCAGCATAGCACAGCACATGCATGTGCAGCGCAGATGCATGGCAACAA
CTTTATTTAGGCTTAGGATTAATATTATTATCGTTATTATTATTTTGTGCTCCTTC
TGCCAGACTGCAACATCTCAACATGCTCGTTTTTTGGCTACTAGCAGCAGTAGGCA
CGCCTCCTTTTGCAGCTTGCAGCGCCAGACGGTATGCGTGCCCTGCTGCCATACG
CCACCGTCCACCCCGTTCCGATCTCGTAGCAGCAAACTTTATCAATCCATTGGCC
CCTTTCTGATAAAAGAATTAGTGTACTTAGCAAGCAGCATATGACAAGATTAACA
GCGAGTAATTTCCACTTAAATAAAAAAGACTGTTGATGATGATGATGATGTGCCA
GGGTGCCATGCGAGTTCCCGGGGCTCAAGATCGGGTTCACGTGGAGGAGTTCTC

GAACCCGGTGTACTTCGCCGTGCTGGTGGAGTACGAGGACGGCGACGGCGACGT
GGTGCAGGTGGACCTGATGGAGTCCAAGTCGGCGTACGGCGGGCCACCGGGGT
GTGGACGCCGATGCGGGAGTCGTGGGGCTCCATCTGGCGGCTGGACGCCAACCA
CCGCTCCAGGCGCCCTTCTCCATCCGCATCCGCAACGAGTCCGGCAAGACGCTC
GTCGCCAAGAACGTCATCCCGGCCAACTGGAGGCCAACACCTTCTACCGCTCCT
TCGTCCAGTACAGCTGAGCCGCCGCCGCACGCCGGCGATCGCCGCCGGCCACCCT
GCTGCTGCTAGCAATACTACTACTGCTGTGATGATGACTAGTAGTCGTTTCGTTGTA
ATTGGTCTTCCCTGCGTTGTTGGTGTTCGGTTTTGGTGTGGGGGATTTGCAGAAACC
GGGCGAGCGGAAAGAAAAGCAGTGTGGGAAAATGGAGGAGGAAGGCGTACAAG
GCTACGCTCTCCCGCCCCTGTCGCTTTTATAATTTATCATTTTCAAATGGTGATC
GATATGATGATTAATCAAAGTATATTGCTACTTAATGGGCTATTTCTTCTCATT
TGCTTTCGGTTTAGAGCATCTCTCTGCTGGTAGGAAAAGCTTGCCGATGCTCAGA
GTAAAGTTCTACCAGTTTCGAACTTCAGAAAAGCATCACCGAAAATTTGAATCAC
CTACCCAAAGGTCCTCCATTTTCGCGCGCTTCGCAGTGCAATATACTACCAAGTTCC
CGCGCGCGGTAAAATACAAACCTGAATTAGTATACTAGTACCATTCCGTATCCG
TATGCTAAAGCAGTGAAGCTACGCCTTCACACTCTGCTTTTCTGTGGTTCCGTTCCG
TTAGTTAGGTGGGGTTGAGATTGAGAAAATTTTTGGGAGAAGCGTCACGTTAAAT
GTTTGATCGGATGTCGGGAGGGGTTTTTCGGACACGAATGAAAAACGAATTTTAG
GGCTAGTCTAGAAACCGCGAGACGAATCTTTTGAGACTAATTAATCTGTCATTAA
CACATGTTGGTTACTGTAGCACTTATGGCTAATTATGG