

IDENTIFICATION

Species: *Oryza brachyantha*

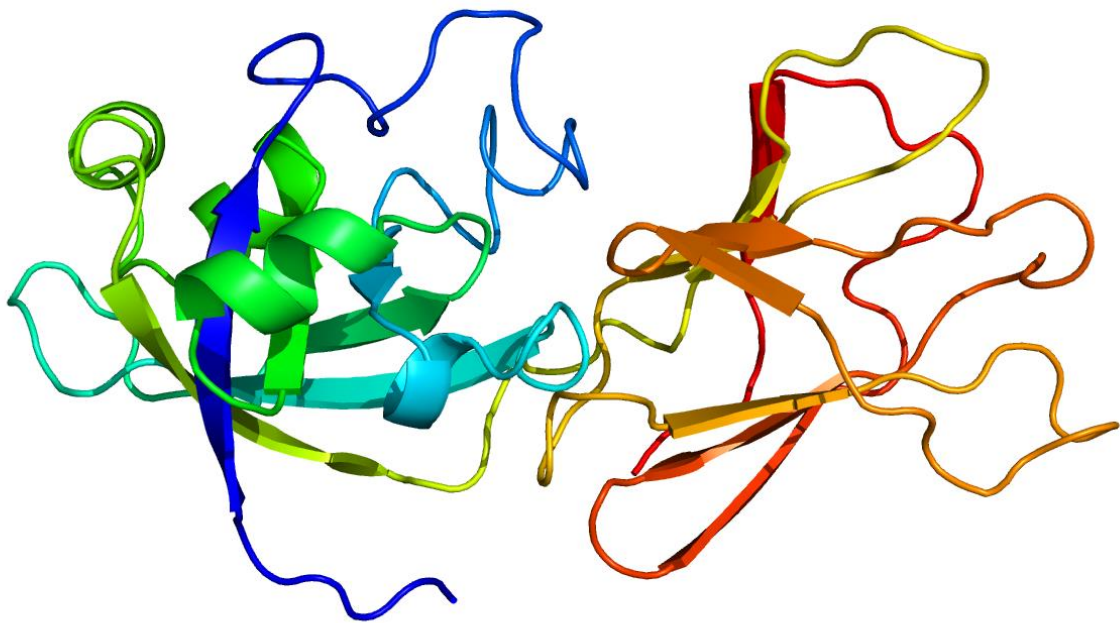
Locus: XP_006652615

Gene Model: XP_006652615.1

Description: ObEXPB-10

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>

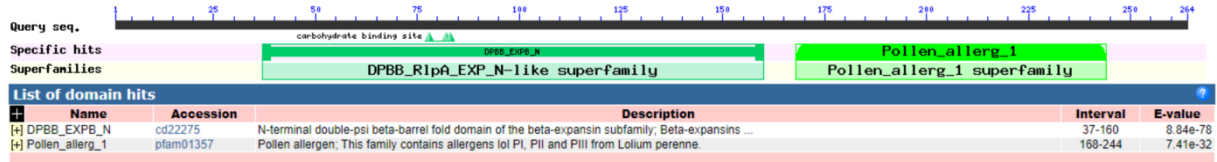
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>ObEXPB-10

MASKFQLIFSTFVVIAAVTLLPRPCASIEFHRKLSSWSNGGATWYGAANGAGSDGGA
 CGYQAAVNQAPFSSMIAAGSPSIFKSLGCGSCYQVKCTGNSACSGNPVTVVLTDEC
 PGGPCLAEPVHFDLSGTAFGAMANPGQANQLRGAGVLQIQYNRVPCNWGGVMLTF
 VVDAGSNPNYFAVLVKYENGDDLSGMDLMQTGAGAAWTPMQQSWGAVWKLNA
 GSALQAPFSIRLTSSSGKTLVASNVIPAGWKPGASYTSTVNY

CDS (coding sequence)

>ObEXPB-10

ACACACAGCCCACACCACCTCTCAACTGTTTGCATCCTCCCAATCCTTGCAAAGC
 AACAAACAAACCTAGCAAGTTTAGCTGAGCACCTCTCAGTGAGCAATAGCAGCCAT
 GGCTTCCAAGTTCCAGCTGATCTTCTCGACCTTCGTTGTCATTGCTGCTGTCACCT
 TGCTTCCACGTCCCTGCGCTTCCATTGAGTTCCACCGCAAGCTCTCCAGCTGGTCC
 AATGGCGGAGCCACGTGGTACGGCGCTGCTAATGGCGCCGGAAGCGATGGTGGT
 GCATGCGGGTACCAGGCTGCCGTCAACCAGGCGCCATTCTCGTCCATGATCGCCG
 CCGGCAGCCCTTCCATCTTCAAGTCCGGCCTGGGATGCGGCTCTTGCTACCAGGT
 GAAGTGCACCTGGCAATAGCGCGTGCTCCGGCAACCCGGTGACTGTCGTCTCACC
 GACGAGTGCCCCGGAGGCCCGTGCCCTCGCCGAGCCAGTCCACTTCGACCTGAGCG
 GGACGGCGTTCGGTGCCATGGCGAATCCCGGCCAGGCCAACCAACTGCGCGGCG
 CCGGCGTCTCCAAATCCAGTACAACCGTGTGCCGTGCAACTGGGGCGGAGTCAT
 GCTAACCTTCGTCTGGACGCCGGCTCGAACCCTCACTACTTCGCCGTGCTCGTG
 AAGTACGAGAACGGAGACGGCGACCTCTCGGGCATGGACCTCATGCAGACCGGC
 GCCGGGGCTGCCTGGACGCCGATGCAGCAGTCGTGGGGAGCCGTCTGGAAGCTG
 AACGCCGGCTCGGCACTGCAGGCGCCGTTCTCCATCCGCCTCACGTCCAGCTCCG
 GCAAGACGCTCGTCGCCAGCAACGTCATCCCTGCTGGCTGGAAGCCCGGCGCGTC
 GTACACTTCGACGGTGAACACTAGCGATCACAACCTCACAAGCACTACCTGAACT
 TGCATGCATGCCTGCAGTGCATATATATGGGATCGATCATTCTGTTGGTGCACCAA
 CCGTGTGTGTTACAAGCAGTATGTCGTAAGTGTGTGAAATTAATAACGTCCGGCG
 AGATGTTGAGGAGGAGGCGCAGATGATTTAGTAGTTCTCCCCTCATCGCCGCATT
 ACGTGTCAATGATTACCGTTATACGTGTTTAATGTGTGTATGATCAATTTGTAATG
 GCAGAACTGAGAAGATCTGTGCTTAAAAACGAGCTATATATATTATTTTCAGTTC

ACATCGTCTGTAATATAAGTATTGTATTGACTGTGTGCATACATGTTTCTCCTCAT
GTAACTTTTCTATAGTTTGCAAAGTATTGG

Nucleotide

>ObEXPB-10

AAAGATGAGTCTCATGTATATCTAAGCCTTGCCCCTCTATCTCCCTTAAGCGCCAC
CTCATATGTCAGTATCATAACATGCATATATGTTTGTAACTATGGTGTACTACAT
CTAATTACCAGCTAGAAATTAACCAAAGATGGGCTCCAGGCAATGGAGTGGCTTC
ACTAGCTTGCTAGATCTAGCCAGGCAGGCAGAACTGAAAGCTAGCAATACCGG
TAACTGCCATGGTCCCGATCGATCAAAATGAGGATTGGACAAGTGAATCACACAC
AAAAGGACCGGCCTACTACTACGTAAATAGCTAATTACTTTTTCGATTGTGCTTAA
CATGTTGACCTAGCCATGTGCATAAGCATGGATATGGAAGTGTCCAACAGAGCAA
GCAACCAGAGAGATTTGTCTGCATATAAGCATGCATGCATGGAAAGATATGCTTA
CACTTACACAGCACATCGTCTGCTGCCTATAAATAGAACACCTCCTTTCCCTAGCT
GCCACACACAGCCCACACCACCTCTCAACTGTTTGCATCCTCCCAATCCTTGCAA
AGCAACAACAAACCTAGCAAGTTTAGCTGAGCACCTCTCAGTGAGCAATAGCAG
CCATGGCTTCCAAGTTCAGCTGATCTTCTCGACCTTCGTTGTCATTGCTGCTGTC
ACCTTGCTTCCACGTCCCTGCGCTTCCATTGAGTTCACCGCAAGCTCTCCAGCTG
GTCCAATGGCGGAGCCACGTGGTACGGCGCTGCTAATGGCGCCGGAAGCGATGG
TAAATATGTAGTCATGAGACGAGTGTGTTTCATCGAAAAGAGAGTATTTACGAATA
CCTCAGGTCTTAACAATGCCATGTCTGGATGTACAGGTGGTGCATGCGGGTACCA
GGCTGCCGTCAACCAGGCGCCATTCTCGTCCATGATCGCCGCCGCGCAGCCCTTCC
ATCTTCAAGTCCGGCCTGGGATGCGGCTCTTGCTACCAGGTGCATATACGGATAG
AATATACTGGGACGTGTAGCAGTAGCACAATAATTCAACGAACATACATGCAT
GCGTACGTATATACGTGTGTCGACCTTACATTGGATATCTACAATTAATTTGTTGC
AGGTGAAGTGCACCTGGCAATAGCGCGTGCTCCGGCAACCCGGTGACTGTCGTCTT
CACCGACGAGTGCCCCGGAGGCCCGTGCCTCGCCGAGCCAGTCCACTTCGACCTG
AGCGGGACGGCGTTCGGTGCCATGGCGAATCCCGGCCAGGCCAACCAACTGCGC
GGCGCCGGCGTCCTCCAAATCCAGTACAACCGGTAAGCATCTGCAGCAATTAACG
TTAACGGCCAGTCGGCCAAGAGGCACAGCACATGCAGTTCACGGTTTCACGCAGC
TTTTCCATGGACCACCGGGCACATGCACTGCTTCTCAGCTATAAACTGCCATGCA
ACTGTGCCCTGATTCTTCTTCGTGTTGGCCTTTTCTTATGATCCGATCCAATATGC
ATGTGATGAACAGTGTGCCGTGCAACTGGGGCGGAGTCATGCTAACCTTCGTCGT
GGACGCCGGCTCGAACCCCAACTACTTCGCCGTGCTCGTGAAGTACGAGAACGG
AGACGGCGACCTCTCGGGCATGGACCTCATGCAGACCGGGCGCCGGGGCTGCCTG
GACGCCGATGCAGCAGTCGTGGGGAGCCGTCTGGAAGCTGAACGCCGGCTCGGC
ACTGCAGGCGCCGTTCTCCATCCGCCTCACGTCCAGCTCCGGCAAGACGCTCGTC
GCCAGCAACGTCATCCCTGCTGGCTGGAAGCCCGGCGCGTTCGTACACTTCGACGG
TGAACACTAGCGATCAAACTCACAAGCACTACCTGAACCTGCATGCATGCCTG
CAGTGCATATATATGGGATCGATCATTTCGTTGGTGCACCAACCGTGTGTGTTACA
AGCAGTATGTCGTAAGTGTGTGAAATTAATAACGTCCGGCGAGATGTTGAGGAG
GAGGCGCAGATGATTTAGTAGTTCTCCCTCATCGCCGATTACGTGTCAATGATT
ACCGTTATACGTGTTAATGTGTGTATGATCAATTTGTAATGGCAGAAGTGGAGAA
GATCTGTGCTTAAAAACGAGCTATATATATTATTTTCAGTTCACATCGTCTGTAAT
ATAAGTATTGTATTGACTGTGTGCATACATGTTTCTCCTCATGTAACTTTTCTAT
AGTTTGCAAAGTATTGGCTGTCCACAAAGACACACGTACGAGGTTTCTAATT

AAGCTTGCATTGCGACAAACCCGGCCCCCGCATTGAAGGATGTAAAGTTGGGTA
AAATTGGGAGTGGTTTTATATTATCCCGGTGAAGTTTTTTTTTAAAAAAAATCGC
ACGAATATGATTGTAGTATAATGTGTAATTACAATTTAACTAGTACTTGTAACAG
GTAICTCATTCCGTCCAAAAATAATTTTATTTTTCACCGATCACATACATAACAATA
TAAAAGCAAAAAAGAATAGAATATCCTCCACTTTATCGAGTTATAATACAGTTAC
TCTTACTTTATCTATTTTTAATATATTTATTTCTTGCTTTTACAACTTCAGTATAA
TGATTAATGAAAAATAAATTTATTTTAATATAAGCTATAATGGACAAAAATAAT
CTTATTTTCGAACAGGGTAGTATATAATTAAGTCTCATGCAAATAAAA
AAAGTCCCATAACTTAGTGC