

IDENTIFICATION

Species: *Oryza sativa* Kitaake

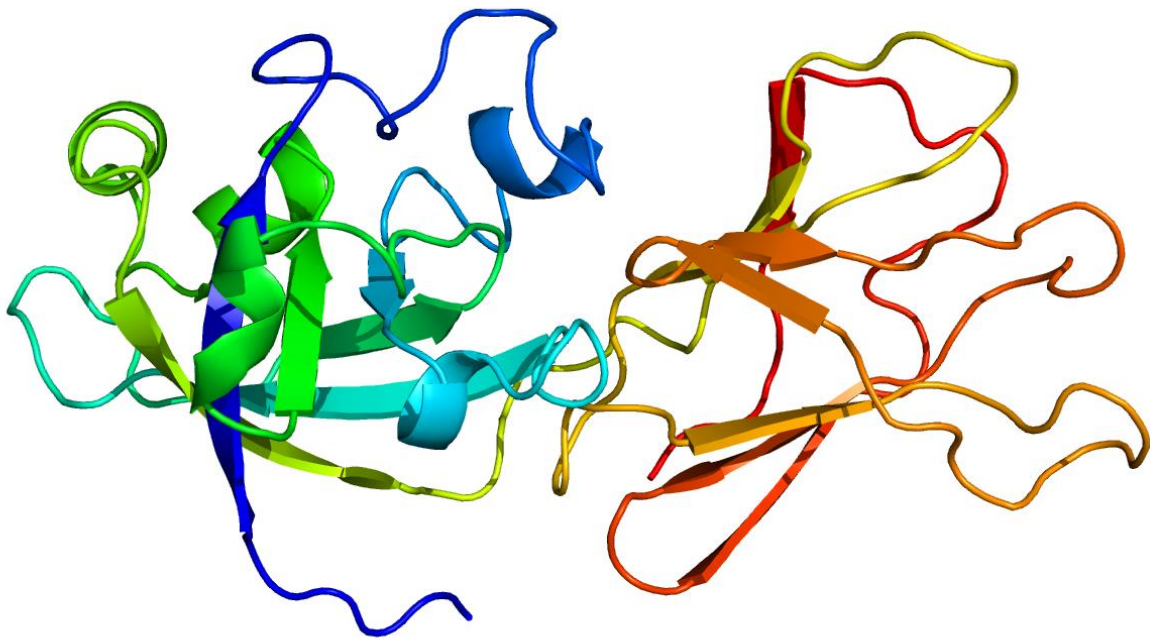
Locus: OsKitaake04g217700

Gene Model: OsKitaake04g217700.1.p

Description: OskEXPB-16

Family: Beta Expansin

3D structure:



GENOME DATABASES

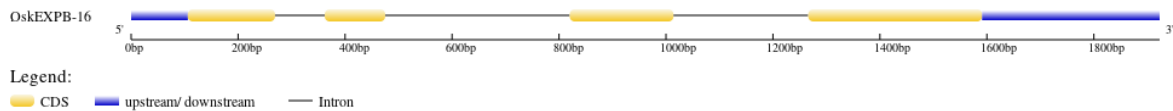
Phytozome: https://phytozome-next.jgi.doe.gov/info/OsativaKitaake_v3_1

KEGG:-

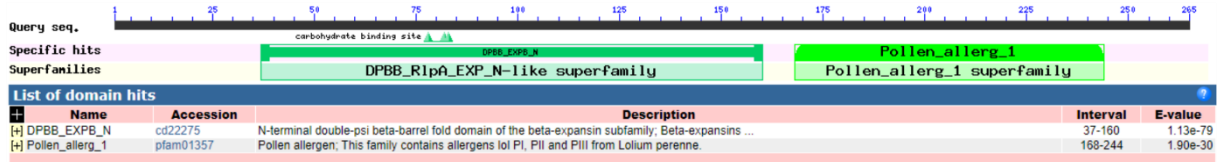
EXTERNAL RESOURCES

https://rice-genome-hub.southgreen.fr/bio_data/185326

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OskEXPB-16

MASRFQLILSTFVVIAAVTMLPRPCASIEFHRKLSWSNGGATWYGAANGAGSDGGA
CGYQGA VFQAPFSSMIAAGSPSIYKSGLGCGSCYQVKCTGNSACSGNPVTVVLTDEC
PGGPCLSEPVHFDLSGTAFGAMANPGQADQLRAAGV LQIQYNRVPCNWGGVKLTFV
VDVGSNPNYFAVLVKYENGDGDLGVELMQTGAGAAWTQMQQSWGAVWKLNAG
SALQAPFSIRLTSSSGKTLV ASNVIPSGWKPGMSYISTVNF*

CDS (coding sequence)

>OskEXPB-16

ATGGCTTCCAGGTTCCAGCTGATTTTGTTCGACCTTCGTTGTCATTGCCGCTGTCAC
CATGCTTCCACGCCCTTTCGCTTCCATCGAGTTCCACCGCAAGCTCTCCAGCTGGT
CCAATGGCGGAGCTACGTGGTATGGCGCTGCAAATGGCGCCGGAAGTGATGGTG
GTGCATGTGGGTACCAGGGTGCCGTCTTCCAGGCACCGTTCTCGTCTATGATCGC
CGCCGGCAGTCCCTTCCATCTACAAGTCTGGCTTGGGCTGCGGCTCTTGCTACCAG
GTGAAATGCACTGGAATAGCGCTTGCTCGGGCAACCCGGTGACTGTCGTCCTCA
CCGACGAGTGCCCCGGAGGCCCGTGCCCTCAGCGAGCCGGTCCACTTCGACCTGAG
CGGCACGGCGTTCGGTGCCATGGCGAACCCCGGCCAGGCCGACCAGCTGCGCGC
CGCCGGCGTCTCCAAATCCAGTACAACCGCGTGCCGTGCAACTGGGGCGGAGTG
AAGCTCACCTTCGTCGTGGACGTCGGCTCGAACCCCACTACTTCGCCGTGCTCG
TCAAGTACGAGAACGGAGACGGTGACCTTCCGGCGTGGAGCTCATGCAGACCG
GCGCCGGCGCCGCTGGACGCAGATGCAGCAGTCGTGGGGCGCCGTCTGGAAGC
TGAACGCCGGCTCGGCACTGCAGGCGCCGTCTCCATCCGCCTCACGTCCAGCTC
CGGCAAGACGCTCGTCGCCAGCAACGTCATCCCTTCCGGGTGGAAGCCCGGCATG
TCGTACATATCGACGGTGAACCTTCTAA

Nucleotide

>OskEXPB-16

CACACACAGCCCACACCACCTCTCATCGACTCATTGCTTGCATCTTCCAAATCCT
TGCAAAGCAACAACAATCCTAGCAAGTTTAGCTAAGCAGGTATAGCAGCCATGG
CTTCCAGGTTCCAGCTGATTTTGTTCGACCTTCGTTGTCATTGCCGCTGTCACCATG

CTTCCACGCCCTTGCGCTTCCATCGAGTTCCACCGCAAGCTCTCCAGCTGGTCCAA
TGGCGGAGCTACGTGGTATGGCGCTGCAAATGGCGCCGGAAGTGATGGTAAATA
CGTTGTCATCAGATGAGAGTTTCTTCGAAAAGAAAATTCATGCCTATGTATGTCA
TGTCTTAACAGTGCAATATCTGTGTGTACAGGTGGTGCATGTGGGTACCAGGGTG
CCGTCTTCCAGGCACCGTTCTCGTCTATGATCGCCGCCGGCAGTCCTTCCATCTAC
AAGTCTGGCTTGGGCTGCGGCTCTTGCTACCAGGTACATATATAACGACAGATCA
GAATATATATCTAGTATAATTAAGTCTGTGCACATACATGTACTCCCTCCGTCCCA
AGATGTTTGACGCTGTTGACTTTTTAAAAAATATTTGACCGTTCGTCTTATTCAAA
AAATTTAAGTAATTATTAATTCTTTTCCTATCATTTGATTTATTGTTAAGTATACTT
TTACGTATACATATAGTTTTACACATTTCAAAAAGTTTTTGAATAAGACGAACG
GTCAAACATATTTAAAAAAGTCAACGGCGTATTTAGGGAAGGAGGGAGTATATG
CCTGTATTGCATCTAACATTGGAAATCAACAATATAATTTTTTCAGGTGAAATGCA
CTGGAATAGCGCTTGCTCGGGCAACCCGGTGACTGTTCGTCCTCACCGACGAGTG
CCCCGGAGGCCCGTGCCTCAGCGAGCCGGTCCACTTCGACCTGAGCGGCACGGCG
TTCGGTGCCATGGCGAACCCCGGCCAGGCCGACCAGCTGCGCGCCCGCCGGCGTCC
TCCAAATCCAGTACAACCGGTAAGCGAGCATCTTTCACTTCCGTGCAAAAATTGC
TGCAGCAGCAATGGCCAAAAGTCGGCCAAGCAGCAGAACACTTGCAGTTATCAC
GGCTTCACTCATCTTTTCTTATCACACGCATGGACCACCGGCCACCGGGGCACA
TGCAGTCTCAGCTATAACCTCCATGCATGCAACTGTCCTTCAATTCTTCTTCTC
GTGTTGGTTTCTTTCAAACGATCCGATCGAACGCACGTGATGTGTGTACAGCGTG
CCGTGCAACTGGGGCGGAGTGAAGCTCACCTTCGTTCGTGGACGTCCGGCTCGAACC
CCAACACTTCGCCGTGCTCGTCAAGTACGAGAACGGAGACGGTGACCTCTCCGG
CGTGGAGCTCATGCAGACCGGCGCCGGCGCCGCCTGGACGCAGATGCAGCAGTC
GTGGGGCGCCGTCTGGAAGCTGAACGCCGGCTCGGCACTGCAGGCGCCGTTCTCC
ATCCGCCTCACGTCCAGCTCCGGCAAGACGCTCGTCCGCAACGTCATCCCTT
CCGGGTGGAAGCCCGGCATGTCGTACATATCGACGGTGAACCTTCTAACGATCGCA
AGCAATATCTCAACTTGCATGCTTGCTGCATGCATGTGTCTGCAGTCTGCAGGCAT
ATGTTAGATCGGTTATTCGTTGGTGCAACAACGATGTGTGCTACAGGGCTACAGG
TTTGTCTAAGTGTGAAATTAATAACGGCGAGATGCAGAGGCGGAGGCGCAGAT
GATTTACTAGTCTCCCCTCCTCGCCGAGTACGTGTCAATGATTATCGTTATACG
TGTTTACTGTGTGATTGTTTGTATCAGAACAGAGCCGACCAGTGCTTATAAACGT
GCTATATATGAACATATTCGCATTGTGTTGTTGTGTCTTGACTGTGC