

IDENTIFICATION

Species: *Oryza sativa* Kitaake

Locus: OsKitaake03g003000

Gene Model: OsKitaake03g003000.1.p

Description: OskEXPB-08

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

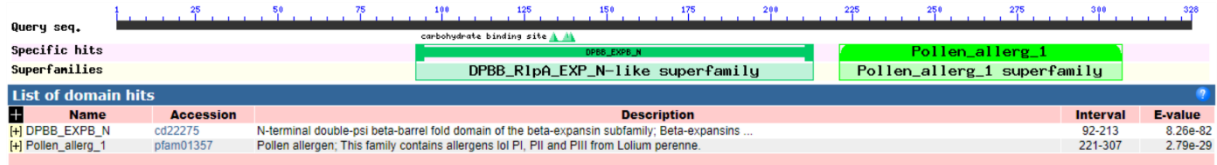
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OskEXPB-08

MAGRSRRRSFWSVGVAALLCLLAHGCsAKHHKPKPTPGGISGNASSSSNSSTPSI
PPPVAPTPTAPTPPIPSPGTGSSNGSSGGGGGGWLNARATWYGAPNGAGPDDNGGAC
GFKNVNLPFSAMTSCGNEPLFKDGGKGGSCYQIRCVGHPACSGLPETVIITDMNYYP
VSLYHFDLSGTAFGAMAKDNRNDELRHAGIIDIQFRRVPCQYPGLTDTFHVEQGSNP
VYMAILVEYENGDDVVQVDLMESRYSTGGVDGTPGTVWTPMRESWGSIWRLDTN
HPLQGPFSLRITNESGKTLIADQVIPADWQPNTVYSSIVQFD*

CDS (coding sequence)

>OskEXPB-08

ATGGCGGGCAGGAGCAGGAGGAGGTCGTTTTGGTCCGTGGGCGTTGCGGCTGCTC
TGCTTTGTCTGCTGGCCGCCCATGGCTGCAGCGCCAAGCATCACAAAGCCCAAGCC
TACTCCCGGTGGCATCAGTGGCAATGCTTCTTCTCCTCCTCCAATTCCAGCACCC
CCAGTATTCCTCCTCCTGTTGCCCTACTCCTACTGCTCCTACTCCTCCTATTCCCA
GCCCCGGAAGTGAAGCAGCAACGGCAGCAGTGGCGGTGGCGGGCGGGTGGC
TGAACGCCCGTGGCAGCTGGTACGGCGCTCCCAACGGCGCTGGGCGGACGACA
ACGGCGGGCGGTGTGGGTTCAAGAATGTGAACCTGCCGCCCTTCTCGGCCATGAC
TTCCTGCGGAAATGAGCCTCTCTTCAAGGACGGCAAGGGATGCGGCTCCTGCTAC
CAGATCCGATGCGTGGGGCACCCAGCCTGCTCGGGGCTCCCGGAGACGGTGATC
ATCACGGACATGAATACTACCCAGTGTGCTGTACCACTTCGACCTCAGCGGCA
CGGCGTTCGGCGCCATGGCCAAGGACAACCGCAACGACGAGCTCCGCCACGCCG
GCATCATCGACATCCAGTTCAGGAGGGTGCCTTGTGAGTATCCAGGGCTGACGGT
GACGTTCCACGTGGAGCAAGGGTCGAACCCGGTGTACATGGCGATACTGGTGGGA
GTACGAGAACGGGGACGGGGACGTGGTGCAGGTGGACCTGATGGAGTCGCGCTA
CAGCACCGGGGGCGTGGATGGGACGCCGACGGGGGTGTGGACGCCGATGAGGGA
GTCGTGGGGATCGATATGGAGGCTGGACACCAACCACCCGCTGCAGGGGCCCTTC
TCCCTCCGCATCACCAACGAGTCCGGCAAGACCCTCATCGCCGATCAGGTCATCC
CCGCCGACTGGCAGCCCAACACCGTCTACAGCTCCATCGTCCAGTTCGACTAG

Nucleotide

>OskEXPB-08

GCAGGGAGGTCAGATAGAGTAGTACAGTACACAAGAGCATATCGATCATATGAT
GAGTCGCTCCAGCCACATGTGAACCCGGCCGGCCGGCCTGCAATCTAGCCATCTG
TTATCTATCCATGCATCGATGTATGTATGTATGTATGTATGTATGAGCAAAACAGCT
AGCTAGATGTTTGCATCAACCATATATTTGTCATGGTCCTTGGTGGAAGTAGCTAT
AAATACGGCCGATGGAGGAGGGCACAAAAGGGGCAGTAGCAAGCAAGCAAAGC
TAATATACATAAATTGATCCAGGGATCGATCGAAATTAATGGCGGGCAGGAGCA
GGAGGAGGTCGTTTTGGTCCGTGGGGCGTTGCGGCTGCTCTGCTTTGTCTGCTGGCC
GCCCATGGCTGCAGCGCCAAGCATCACAAGCCCAAGCCTACTCCCGGTGGCATCA
GTGGCAATGCTTCTTCTTCTCCTCCAATTCAGCACCCCCAGTATTCTCTCTCT
GTTGCCCTACTCTACTGCTCCTACTCCTCCTATTCCCAGCCCCGGAAGTGGAAAG
CAGCAACGGCAGCAGTGGCGGTGGCGGGCGGGTGGCTGAACGCCCGTGCAGC
CTGGTACGGCGCTCCCAACGGCGCTGGGCCGGACGACAACGGCGGGCGCGTGTGG
GTTCAAGAATGTGAACCTGCCGCCCTTCTCGGCCATGACTTCTGCGGAAATGAG
CCTCTCTTCAAGGACGGCAAGGGATGCGGCTCCTGCTACCAGGTACGTACAGTAC
ACAATTAATCTCGATCGATCTATCTTCTTGTCTGAATTATATATATTTCATTTCATTA
TTCTCAGCCAGCCAATTCAAATAATTCTCTTCTCATCGATGGATGCGGTAGCTAGC
TCTAGTGTGCAGGTTCGATGAGCCCGTGACACATATGTAAGTATGATCGATGCATGGAC
TGAGTGGCTGTAAATTAATTAATGATGGATGTGATGCAGATCCGATGCGTGG
GGCACCCAGCCTGCTCGGGGCTCCCGGAGACGGTGATCATCACGGACATGAACCT
ACTACCCAGTGTGCTGTACCCTTCGACCTCAGCGGCACGGCGTTTCGGCGCCAT
GGCCAAGGACAACCGCAACGACGAGCTCCGCCACGCCGGCATCATCGACATCCA
GTTCAGGAGGTACCATCTAACCGCAATAACCAACTTAAGTGCATGCCCTCCCTGG
TCGGGACTCGGGACCCGACCCACCCACTAGTACTTAATTTTCTTTACTGTAACGA
ACAACGAAGACATGCTCTCTGCTGGGGCCACAACAACAACCAACCACTACCA
CTAACTTTCTCTTTGCACTTTTGCACCTAAAAGGCTTTAGTTCTCAACTTTTAATTT
TTCCGTTCAAATTTAATTTAACTTTTAGCTAGCTATTGGTATTGCAAATTAATTA
CTGAAAATCGATCGAAAGAGAAGTAAGTAAAACAATAGCGAAATGAAAATGCA
GGGTGCCTTGTGAGTATCCAGGGCTGACGGTGACGTTCCACGTGGAGCAAGGGTC
GAACCCGGTGTACATGGCGATACTGGTGGAGTACGAGAACGGGGACGGGGACGT
GGTGCAGGTGGACCTGATGGAGTCGCGCTACAGCACCGGGGGCGTGGATGGGAC
GCCGACGGGGGTGTGGACGCCGATGAGGGAGTCGTGGGGATCGATATGGAGGCT
GGACACCAACCACCCGCTGCAGGGGGCCCTTCTCCCTCCGCATCACCAACGAGTCC
GGCAAGACCCTCATCGCCGATCAGGTCATCCCCGCCGACTGGCAGCCCAACACCG
TCTACAGCTCCATCGTCCAGTTCGACTAGCTAATTACTACTACTCCACTCCTTGCC
ATTAATTAGTATATACTCCATTATTTGCCATTTGCACATCATCGAGACGTCGCTTG
TGACGTCCGTTTCAGTGCGTATATGCATGTTGTACTCCTCCTTACTTGATTACATG
TATGCATGCAAATTAATGAATCAATCAATGGTCGGATTTTCTATATATATAACTAC
TACGGTAATACTAT