

IDENTIFICATION

Species: *Oryza sativa* Kitaake

Locus: OsKitaake02g331000

Gene Model: OsKitaake02g331000.1.p

Description: OskEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

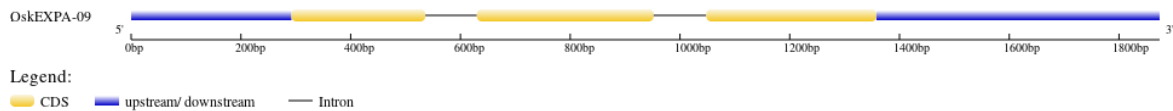
Phytozome: https://phytozome-next.jgi.doe.gov/info/OsativaKitaake_v3_1

KEGG:-

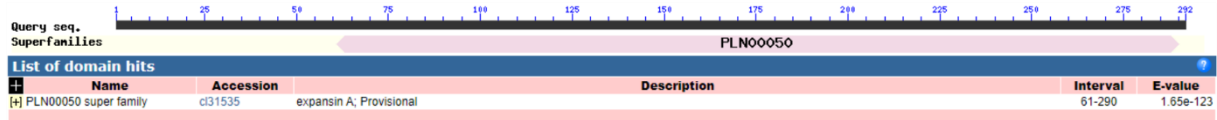
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OskEXPA-09

MSSRRDVLAVVLVAALLPALSRLWLGHHLGLGHGHRWRAPHVGGHGQGQGPQ
QHAPLGGGGWSSAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAALSTALFNN
GLSCGACFEVRCDAGGGGSHSCLPGSVVVTATNFCPPNNALPSDDGGWCNPPRAHF
DMSQPVFQRIALFKAGIVPVSYRRVACQKKGGIRFTINGHSYFNLVLTNVGGAGDV
HAVAVKSERSAAWQALSRNWGQNWQSAALLDGQALSFRVTTGDGRSVVSNNAVP
RGWSFGQTFSGAQFN*

CDS (coding sequence)

>OskEXPA-09

ATGTCGTCCTCCGCGGAGACGTCCTCGCTGTTGTCCTCGTGGCCGCGCTGCTCCCGCC
GGCGTTGTCCCGTGGGCTTTGGCTGGGGCACCACGGGCTGGGGCACGGGCACGG
GCGATGGCGCGCGCCGCATGTTCGGCGGACACGGCCAGGGACAGGGGCCGCGAGCA
GCACGCGCCGCTCGGCGGCGGCGGGTGGTCGTCGGCGCACGCCACGTTCTACGGC
GGGGGTGACGCGTCGGGCACCATGGGAGGGGCGTGCGGGTACGGGAACCTCTAC
AGCCAGGGGTACGGGACGAACACGGCGGCGCTGAGCACGGCGCTGTTCAACAAC
GGCCTCAGCTGCGGCGCGTGCTTCGAGGTGCGCTGCGACGCCGGCGGCGGGCGGG
AGCCACTCGTGCCTGCCCGGCTCGGTCGTCGTCACGGCCACCAACTTCTGCCCGC
CGAACAACGCGCTCCCGTCCGACGACGGCGGCTGGTGCAACCCTCCGCGCGCGC
ACTTCGACATGTCCCAGCCCGTCTTCCAGCGCATCGCTCTCTTCAAGGCCGGCATT
GTCCCCGTCTCCTACCGCCGGGTGGCTTGCCAGAAGAAGGGCGGGATCCGGTTCA
CCATCAACGGGCACTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGGGCGGCGC
CGGCGACGTGCACGCGGTGGCCGTGAAGTCGGAGCGCTCGGCGGCGTGCCAGGC
CCTGTGCGGCAACTGGGGCCAGAAGTGGCAGAGCGCCGCGCTCCTCGACGGTCA
GGCGCTCTCCTTCCGCGTCACCACCGGCGACGGCCGCTCCGTCGCTCCAACAAC
GCCGTCCCCCGTGGCTGGTCTTCCGCCAGACCTTCAGCGGGGCCAGTTCAACT
GA

Nucleotide

>OskEXPA-09

TCCAACGCCCCCGAAATCTCGTGTCCTACGTGCCGGAGCAGCTGCGAGCTTTT
GCACCCACGCTGTGAGCCCCACCCGCGTACGCCGCGGCCTACGCCGCACTCCACT

CCACCCACCCCTACTGCGCCGCGCCGTTTCAAACCCGTTCCCTTTTCGTTTCACCGTT
CCCACCACGCACCCCTCTATTTATCCCCGCCCCCAACAACCTCGCTGCACTCCACA
CTCCACGCCTCCGCCCGCTCTCGTCGCAGCGCACCCCGTCGCGTGCGACGACTCC
ATCCCCGTCAACAATGTCGTCCCGCCGAGACGTCCCTCGCTGTTGTCTCGTGGC
CGCGCTGCTCCCGCCGGCGTTGTCCCGTGGGCTTTGGCTGGGGCACACGGGCTG
GGGCACGGGCACGGGCGATGGCGCGCGCCGCATGTCGGCGGACACGGCCAGGGA
CAGGGGCCGCAGCAGCACGCGCCGCTCGGCGGGCGGCGGGTGGTCGTCGGCGCAC
GCCACGTTCTACGGCGGGGGTACGCGCTCGGGCACCATGGGTACGTTTTTTTCTC
GCTGTGCACTGTGCTGAAATGTTGTTACATCTGCGTGTTGTGCTCACTGTTTTGCG
TGTGCGTTTTTGGTCGCGTGCAGGAGGGGCGTGCGGGTACGGGAACCTCTACAGC
CAGGGGTACGGGACGAACACGGCGGCGCTGAGCACGGCGCTGTTCAACAACGGC
CTCAGCTGCGGCGCGTGTTCGAGGTGCGCTGCGACGCCGGCGGGCGGGGAGC
CACTCGTGCCTGCCCGGCTCGGTGCTGTCACGGCCACCAACTTCTGCCCGCCGA
ACAACGCGCTCCCGTCCGACGACGGCGGCTGGTGCAACCCTCCGCGCGCGCACTT
CGACATGTCCCAGCCCGTCTTCCAGCGCATCGCTCTCTTCAAGGCCGGCATTGTCC
CCGTCTCTACCGCCGGTGAGTAGCCAACGCCGGCAATTTCTTGCTTCGCGTTTC
GCTTTCTTGATCTACCGGAACTTACTGACCATGGCGTGCGTGCTCTCGAGTGCA
GGGTGGCTTGCCAGAAGAAGGGCGGGATCCGGTTCACCATCAACGGGCACTCCT
ACTTCAACCTGGTGCTGGTGACCAACGTGGGCGGGCGCCGGCGACGTGCACGCGGT
GGCCGTGAAGTCGGAGCGCTCGGCGGCGTGGCAGGCCCTGTGCGGCAACTGGGG
CCAGAACTGGCAGAGCGCCGCGCTCCTCGACGGTCAGGCGCTCTCCTTCCGCGTC
ACCACCGGCGACGGCCGCTCCGTGCTCTCCAACAACGCCGTCCCCCGTGGCTGGT
CCTTCGGCCAGACCTTCAGCGGGGCCAGTTCAACTGATTCCGCTCAATTTTACTC
GAGCATCGTCGTGGTAGTTGCAGTAGTACTCCCAACTGGACCGTGCTGGGAAGTG
CCATTGTTTTATGATTGGTACTCAGTCTCGCCTTGGTTCTTGGGAAAGTATTTAGT
GGGTAGTTTGGCCTAGTATCAACATGGGCTTTGTGCTGGTGTCACTGCTAGTGGT
AGTTTGTTACAAGTACCATTAGTTGAGCTTTTGTGGTATCTTTTGGCTAGGGATTG
GAAGTGGTGGTAAGGCTGTGGCTTGATTGACAGAGGCCGCCTTGTATCACCCGCC
AAAATAGCAAAATTGGGCCTAATGGGAATGGCCTTCTGCTAGTAATGGTTTTGCC
TGGTTGTTGTCTGTACCGGACCCAGTACCGGACCTCATTTTGGGGGTGCCAAAC
AGTTTAGGCATCTGGGGTATGCCCTGTGTGCTGCTTATGAACAATTTCTTTTACT
CGTGCTTCTTATGCGGGAGTATTAATGCATTTGAATTCAATCCACCGTATCAC