

IDENTIFICATION

Species: *Oryza brachyantha*

Locus: XP_006649423

Gene Model: XP_006649423.1

Description: ObEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

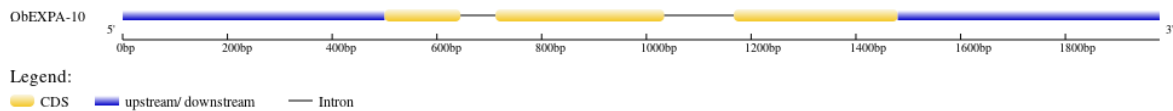
NCBI: https://www.ncbi.nlm.nih.gov/genome/10862?genome_assembly_id=1593936

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

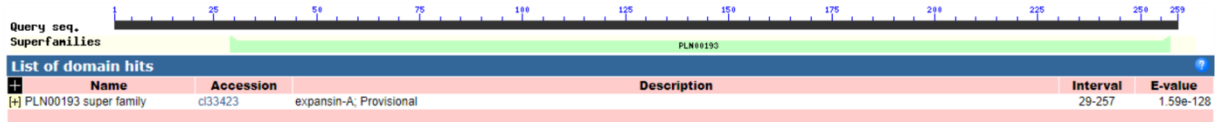
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>ObEXPA-10

MVMCKKAPSILLAVVAAAAASFAPATAGWSKGTATFYGGSDASGTMGGACGYG
NLYWSGYGTNTAALSSALFSDGASCGQCYQIACDYQAEPQWCLQGKTVTITGTNLC
PPNYALSSNDGGWCNPPRTHFDMAEPAWLQIGIFKAGIVPVLVYQRVPCVKQGGVRF
MGGFNYFELVLITNVAGSGSIQSVVVKGTNTNRMPMNRNWGANWQSLAGFVGQAL
TFGVTSTGGQTVVFQDIVPSWWKFGQSFASNLQFSY

CDS (coding sequence)

>ObEXPA-10

ATGGTGATGTGCAAGAAGGCACCGAGCATTCTGTTGCTCGCCGTCGTCGCCGCTG
CGGCGGCGTCGCTCTTTGCTCCGGCGACGGCGGGGTGGTTCGAAGGGCACGGCCA
CGTTCTACGGCGGCAGCGACGCCTCCGGGACGATGGGTGGGGCGTGTGGGTACG
GGAACCTGTACTGGTCGGGGTACGGGACGAACACGGCGGGCGCTGAGCTCGGCGC
TGTTACAGCGACGGCGCGTTCGTGCGGGCAGTGCTACCAGATCGCGTGC GACTACCA
GGCGGAGCCGCAGTGGTGCCTGCAGGGGAAGACGGTGACCATCACGGGCACCAA
CCTGTGCCCCGCCAACTACGCCCTCTCCAGCAACGACGGCGGCTGGTGCAACCCG
CCCCGCACGCACTTCGACATGGCCGAGCCGGCCTGGCTCCAGATCGGCATCTTCA
AGGCCGGCATCGTGCCGGTGTCTACCAAAGGGTGCCGTGCGTGAAGCAGGGAG
GGGTGAGGTTACCATGGGAGGGTTCAACTACTTCGAGCTGGTGTGATCACGAA
CGTGGCCGGCAGCGGGTCGATCCAGTCGGTGTGGGTGAAGGGGACGAACACCAA
CAGGATGCCCATGAACAGGAAGTGGGGGGCGAACTGGCAGTCGCTCGCCGGGTT
CGTCGGCCAGGCGCTCACCTTCGGCGTCACCTCCACCGGCGGCCAGACCGTCGTC
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TCCAGTTCTCCTACTGA

Nucleotide

>ObEXPA-10

TGGCGTGTCAAGTGTCAACTTCGTCAGGTAAACAATTCGAGATCACCGTTTAAAA
AAAAACATGAACAGTCCCAGCTAATCATTCCCCCTTCGATGAGCATGAAGCAGA
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GTAGGCGCAGATCGATCTGATGGAGAGGTGAGAATCTTCTGCTTGTTCATGTT
AGTGTCCATGGAGGAAGAGGAAGAAGAAGCTACGGCGAAAGAAGGAGATCGCT

GATCTGACGCCATTAATTGGACCTGAGCTGACTGTGCAGTGTACTTGTGCGCCAT
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GCCGCTGCGGCGGCGTCTTTGCTCCGGCGACGGCGGGGTGGTTCGAAGGGCA
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TGGGGCGTGTGGGTACGGGAACCTGTACTGGTTCGGGGTACGGGACGAACACGGC
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ATCGCGTGCGACTACCAGGCGGAGCCGCAGTGGTGCCTGCAGGGGAAGACGGTG
ACCATCACGGGCACCAACCTGTGCCCGCCCACTACGCCCTCTCCAGCAACGACG
GCGGCTGGTGC AACCCGCCCCGCACGCACTTCGACATGGCCGAGCCGGCCTGGCT
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AAAAACATCTGGACGGTTTGACGTA CTACTTCGCCATGATAATTAAGTCAACCA
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GTCGATCCAGTCGGTGTGGGTGAAGGGGACGAACACCAACAGGATGCCCATGAA
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GTA CTTTTTGT TATTTTTTGT TGGACTGTAAAATTGCTCATTACGAGATTTGCTGCT
CGAGGTTGGT GACTGATCGATTGTCATTTCGTTATGTACGTAGATAATGTTAAAA
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TCATGGGTTATGTGGTTCCGCTTGCTCTAATTGATCAATCGATTCCCGGTTCGGTGA
AGGC