

IDENTIFICATION

Species: *Oryza brachyantha*

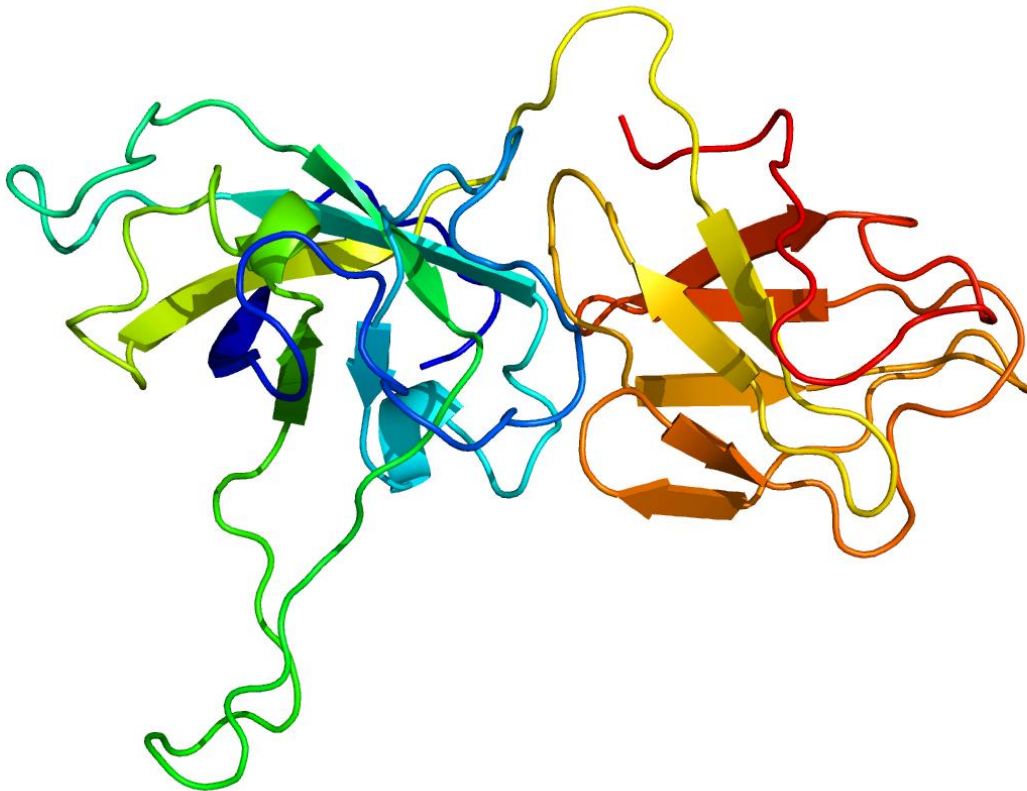
Locus: XP_006649422

Gene Model: XP_006649422.1

Description: ObEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

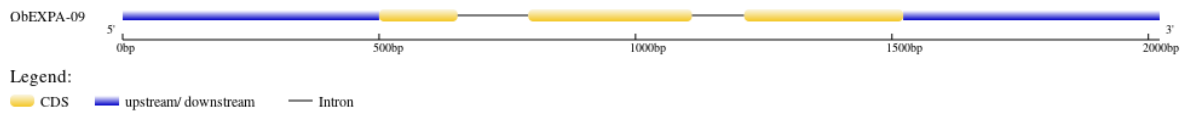
NCBI: https://www.ncbi.nlm.nih.gov/genome/10862?genome_assembly_id=1593936

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

EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE

Query seq. Superfamilies

1 25 50 75 100 125 150 175 200 225 252

PLN00193

Name	Accession	Description	Interval	E-value
PLN00193 super family	c133423	expansin-A, Provisional	28-251	2.04e-131

SEQUENCES

Peptide

>ObEXPA-09

MARSASCFQLVVAVAACLAAGADSGRGTATVYGGSDASGTMGGACGYGNLYS
TGYGTNTAALSSELFNDGAACGQCYQIKCEKENSKWCKEGTSVTITATNLCPADYSK
PSDNGGWCNPPRQHFDMAQPAWEQIGVYQGGIVPVTFQRVSCSRKGGVRFTINGNS
YFELVLITNVGGAGSIKSVQIKGSKTGWVTMSRNWGANWQSNNYLNGQAISFMVTD
TYGTTLTFDEVAPSDWQFGQTFTSGTQFY

CDS (coding sequence)

>ObEXPA-09

CATTGTTACTGATTTTCGAGTGACATGGCGCGCAGTGCCTCCTGCTTCCAGTTGGTC
GTCGCCGTCGCGGCGTGCCTCGCCGCGGCGGCCGGGGCGGATTCGGGCAGGGGC
ACGGCCACGGTCTACGGCGGGAGCGACGCCTCCGGCACGATGGGCGGCGCGTGC
GGGTACGGCAACCTGTACTCGACGGGGTACGGGACGAACACGGCGGGCGCTGAGC
TCGGAGCTGTTCAACGACGGCGCGGCATGCGGGCAGTGCTACCAGATCAAGTGC
GAGAAGGAAAACCTCGAAATGGTGCAAGGAGGGCACGTCGGTGACCATCACGGCG
ACCAACCTCTGCCCCGCGGACTACTCGAAGCCGAGCGACAACGGCGGCTGGTGC
AACCCGCCGCGCCAGCACTTCGACATGGCTCAGCCCGCCTGGGAGCAGATCGGC
GTCTACCAAGGCGGCATCGTCCCGGTCACATTCCAGAGGGTGTCTGTGCTCGAGGA
AAGGAGGGGTGCGGTTACCATCAACGGCAACAGCTACTTCGAGCTGGTGTCTCAT
CACCAACGTGGGCGGGGCGGGGTCGATCAAGTCGGTGCAGATCAAGGGCAGCAA
GACGGGGTGGGTACCATGTCCAGGAACGGGGCGCCAACTGGCAGTCCAACAA
CTACCTCAACGGCCAGGCCATCTCCTTCATGGTACCGACACCTACGGCACCACG
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GCGGCACGCAGTTCTACTAG

Nucleotide

>ObEXPA-09

ACTAGCTCCCCAAATGATTGTTTGTAGTGGCCCGTATCATAAGACCGGCCACGTCGT
GGTGAGCAGTAGTGTACGTGAGACAGTGTACCGGCCACTTGCCGGATTGCTTCTT
CTGCTTCTGGTGGCAGGGAGTGGCCAGAGACCGATGGGATAGAAAAACGGCGAA
AAATGGCAGAGTCGGCCGGGTTTGCAGATCGGAAGAATCTCCCCCTTTCGAAATG
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TTAAGGCGGCACGGTGGGGCAGCGTCCGGGTGCAACATGCATCGGCATGTGAGT
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 AGGGGCACGGCCACGGTCTACGGCGGGAGCGACGCCTCCGGCACGATGGGTAAC
 TAGCTCGCCGGCCTCGGTTCTCAGTTCTCTCACACACCAATGGTAGATTGGTAGAT
 ACTAGCTACGCTACGCTGGTGTGGTGTGCTGACAATGGCGTATGCACGTGTTGTGCT
 GTGTTTGTGTTGCGAACGACAGGCGGCGCGTGC GGGTACGGCAACCTGTACTCGA
 CGGGGTACGGGACGAACACGGCGGGCGCTGAGCTCGGAGCTGTTCAACGACGGCG
 CGGCATGCGGGCAGTGCTACCAGATCAAGTGCGAGAAGGAAAACCTCGAAATGGT
 GCAAGGAGGGGCACGTCCGGTGACCATCACGGCGACCAACCTCTGCCCCGCGGACT
 ACTCGAAGCCGAGCGACAACGGCGGCTGGTGCAACCCGCCGCGCCAGCACTTCG
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 ACAGTACTTCGAGCTGGTGTGCTCATCAACGTTGGGCGGGGGCGGGGTTCGATCAA
 GTCGGTGCAGATCAAGGGCAGCAAGACGGGGTGGGTCACCATGTCCAGGAACTG
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