

IDENTIFICATION

Species: *Oryza sativa*

Locus: LOC_Os04g46650

Gene Model: LOC_Os04g46650.1

Description: OstEXPB-13

Family: Beta Expansin

3D structure:



GENOME DATABASES

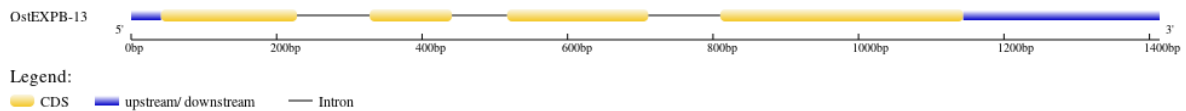
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

KEGG: <https://www.genome.jp/entry/T01015>

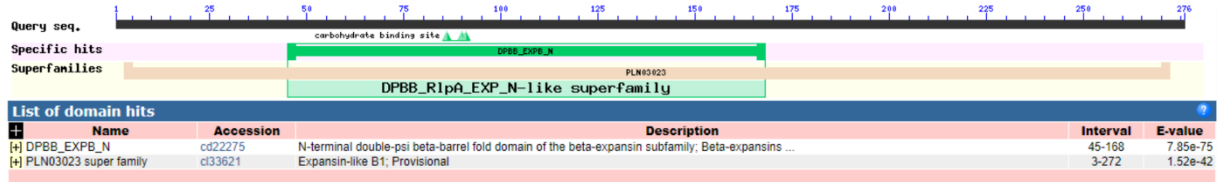
EXTERNAL RESOURCES

<http://rice.uga.edu/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-13

MVSRGTFVFAVLVALPILSLPVSGYEQNYTAGRRSTMSLGRGYGWSSGGATWYGGP
QGDGSEGGACGYQSAVGRPFSSMIAAGGPSLFKNGKGCSCYQIKCTGNRACSGRP
VTVVITDSCPGGVCLNEAAHFDMSGTAFGAMANRGMGDRLRSAGVLKIQYKRVPCR
FAMNVAFKVDAGSNPYLAILVQYANGDGLAAVHIMEARGGGGWKAMQQSWG
ATWRLNSNTGKPLSPPFSIRLTSGSGKVLVANNVIPSGWQAGLTYRSTVNYAA*

CDS (coding sequence)

>OstEXPB-13

ATGGTTAGCCGGGGCACTTTCGTTTTTGCCGTCCTAGTGGCGCTACCGATACTGTC
ACTCCCCGTCTCTGGCTACGAGCAGAATACTGCCGGCAGACGGAGCACCATG
TCGCTGGGCAGAGGCTACGGCTGGTCCTCCGGCGGCGCGACGTGGTACGGCGGC
CCGCAAGGCGACGGCAGCGAAGGCGGCGCGTGCAGTTACCAGAGCGCCGTCGGG
CAGCGCCCGTTCCTCGTCGATGATCGCCGCCGGCGGGCCCTCCCTCTCAAGAATG
GCAAAGGCTGCGGCTCATGCTACCAAATTAAGTGCACCGGCAACCGGGCGTGCTC
CGGCCGCCAGTGACCGTCGTGATCACCGACTCCTGCCCTGGAGGGGTATGCCTG
AACGAGGCGGCGCACTTCGACATGAGCGGCACCGCCTTCGGCGCCATGGCCAAC
CGTGGCATGGGCGACCGCCTCCGCTCCGCGGAGTCCTCAAGATCCAGTATAAGA
GGGTGCCGTGCAGGTTTGCCATGAACGTGGCCTTCAAGGTGGACGCGGGCTCCAA
CCCGTACTACCTCGCCATCCTGGTCCAGTACGCGAACGGCGACGGCGACCTCGCC
GCGGTGCACATCATGGAGGCCCGCGGCGGCGGGTGAAGGCGATGCAGCAG
TCGTGGGGCGCCACCTGGCGCCTCAACTCCAACACCGGGAAGCCGCTGAGCCCGC
CGTTCTCGATCCGGCTCACCTCGGGCTCCGGCAAGGTGCTCGTCGCCAACACGT
CATCCCCTCCGGGTGGCAGGCCGGGTTGACCTACCGATCCACCGTGAACACTACGCC
GCCTAA

Nucleotide

>OstEXPB-13

AATCCCAGCTACCTAACCGATTGCCCAACAAGAAAATAGCAATGGTTAGCCGGG
GCACTTTCGTTTTTGCCGTCCTAGTGGCGCTACCGATACTGTCACTCCCCGTCTCT

GGCTACGAGCAGAACTACACTGCCGGCAGACGGAGCACCATGTCGCTGGGCAGA
GGCTACGGCTGGTCCCTCCGGCGGCACGTGGTACGGCGGCCCGCAAGGCGAC
GGCAGCGAAGGTAATTAAGTCGTTGTCAAGTGGTAGTATGAACTGCATGCATGTG
CGTATTTGACCTCAAGTACTCACGTTGCCATGTTGGTTAATTAATCCAAATGCAGG
CGGCGCGTGCGGTTACCAGAGCGCCGTCGGGCAGCGCCCGTTCTCGTCGATGATC
GCCGCCGGCGGGCCCTCCCTCTTCAAGAATGGCAAAGGCTGCGGCTCATGCTACC
AAGTCAGTAGTGTATTTGTATGTTTTACCAGTCAAATGCATGGGACGTGGAGCAT
TCCTAACTAAATTAGATGTACAGATTAAGTGCACCGGCAACCGGGCGTGCTCCGG
CCGCCAGTGACCGTCGTGATCACCGACTCCTGCCCTGGAGGGGTATGCCTGAAC
GAGGCGGCGCACTTCGACATGAGCGGCACCGCCTTCGGCGCCATGGCCAACCGT
GGCATGGGCGACCGCCTCCGCTCCGCCGGAGTCCTCAAGATCCAGTATAAGAGGT
GCCCCGCCATTGAATTTGCAAATTTACTTTCTGGAGTTCTGGTCCACTCTGCAATGT
ACAAGTGCAGATTTTTACTGAATTTTTACTTTTGCCTGCAGGGTGCCGTGCAGGTT
TGCCATGAACGTGGCCTTCAAGGTGGACGCGGGCTCCAACCCGTAACCTCGCC
ATCCTGGTCCAGTACGCGAACGGCGACGGCGACCTCGCCGCGGTGCACATCATGG
AGGCCCGCGGCGGCGGGTGGAAGGCGATGCAGCAGTCGTGGGGCGCCACCT
GGCGCCTCAACTCCAACACCGGGAAGCCGCTGAGCCCGCCGTTCTCGATCCGGCT
CACCTCGGGCTCCGGCAAGGTGCTCGTCGCCAACAACGTCATCCCCTCCGGGTGG
CAGGCCGGGTTGACCTACCGATCCACCGTGAACACTACGCCGCCTAATGCGGCGGGC
TCGTGCGCGACTACGTACGCGCGTGTGTTGTTAACGTCGCCGCGATAGATCCATCG
CGAGGCAGAAGCTCGCCTCGTCGAAGTGAGTTCGGTGTGTGCGCGTCCGGGAATC
GTGCGCAGCCGCGGTAAAAGAGGAGTTCGATCTGTTAGTGTTAAGTGTTTCGTGAT
GTGTGTTCTCCCTCCGTGGCCGTTTGCAGAGCTGCTTCTAGTGACGTCTCTTGCTT
GGTTATAACTTAACCGAATTCTGCGTTGCGATTTGCACT