

IDENTIFICATION

Species: *Oryza sativa*

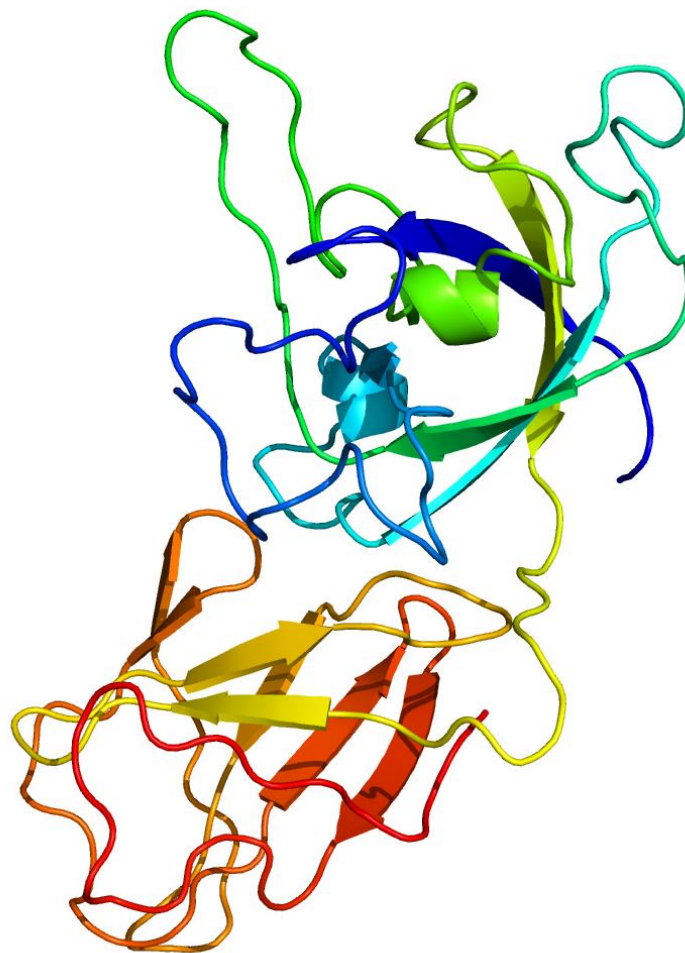
Locus: LOC_Os04g15840

Gene Model: LOC_Os04g15840.1

Description: OstEXPA-22

Family: Alpha Expansin

3D structure:



GENOME DATABASES

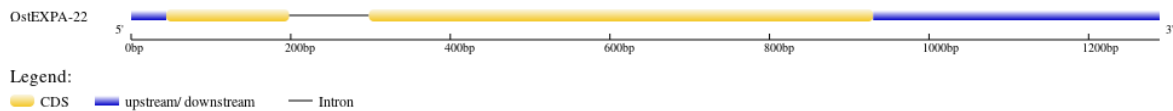
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

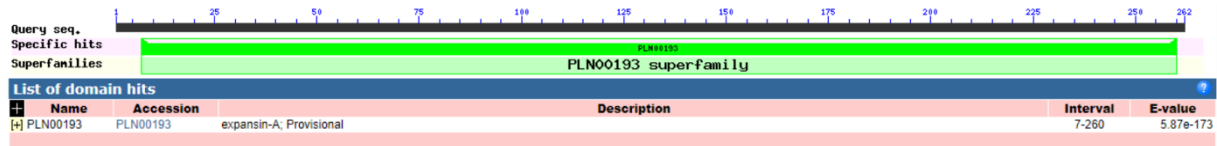
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-22

MAGSSAATSCARFLALLATCLLWNEAASFTASGWNKAFATFYGGSDASGTMGGAC
GYGDLYSTGYGTNTAALSTVLFNDGASCGQCYRIMCDYQADRRFCISGTSVTITATN
LCPPNYALPNDAGGWCNPPRQHFDMAEPAWLKIGVYVGGIVPVMYQRVPCAKQGG
VRFTINGRDYFELVLVSNVGGVGSIQSVSIKGSRTGWMAMSRNWGVNWQSNAYLD
GQSLSFKVTSSDGQTLTFLDVAPAGWTFGQTFSTSQQFS*

CDS (coding sequence)

>OstEXPA-22

ATGGCCGGCTCGTCAGCCGCAACGTCGTGTGCTCGGTTCTGGCATTGCTGGCGA
CATGCCTCCTCTGGAACGAGGCCGCATCGTTCACGGCGTCCGGCTGGAACAAGGC
GTTCGCCACCTTCTACGGCGGCAGTGACGCTTCAGGAACGATGGGTGGGGCGTGT
GGGTACGGGGACCTGTACTCGACGGGGTACGGGACGAACACGGCGGCGCTGAGC
ACGGTGCTGTTCAACGACGGGGCGTCGTGCGGGCAGTGCTACCGGATCATGTGCG
ACTACCAGGCGGACAGGCGGTTCTGCATCTCCGGCACGTCGGTGACCATCACGGC
GACCAACCTCTGCCC GCCGA ACTACGCGCTCCCCAACGACGCCGGCGGGTGGTGC
AACCCGCCGCGGCAGCACTTCGACATGGCCGAACCGGCGTGGCTCAAGATCGGC
GTCTACGTCGGCGGCATCGTGCCGGTGATGTACCAGCGGGTGCCGTGCGCCAAGC
AGGGCGGGGTGAGGTTACCATCAACGGCAGGGACTACTTCGAGCTGGTGCTCGT
CTCCAACGTCGGCGGCGTCGGCTCCATCCAGTCGGTGTCGATCAAGGGGTTCGAGG
ACCGGGTGGATGGCCATGTCCAGGAATTGGGGCGTCAACTGGCAGTCCAACGCCT
ACCTCGACGGCCAGAGCCTGTTCGTTCAAGGTCACCAGCAGCGACGGCCAGACGC
TCACCTTCTCGACGTCGCCCCGGCGGGCTGGACGTTCCGGCCAGACCTTCTCGAC
CTCACAGCAGTTCTCTTAA

Nucleotide

>OstEXPA-22

TTGGCCATTAGCAGCACATTCACCGGCAGCACACGCGCGCACACATGGCCGGCTC
GTCAGCCGCAACGTCGTGTGCTCGGTTCTGGCATTGCTGGCGACATGCCTCCTCT
GGAACGAGGCCGCATCGTTCACGGCGTCCGGCTGGAACAAGGCGTTCGCCACCTT
CTACGGCGGCAGTGACGCTTCAGGAACGATGGGTAAGTTCGTAGCTAGCTAGCTA

CTGTAGCTAGGAATGGATCCATCGTGCAATCGGTGACGTTGGTTCATGTGCATGC
GTGTCGTCGTGTGTGTGTGTCAGGTGGGGCGTGTGGGTACGGGGACCTGTACTCGA
CGGGGTACGGGACGAACACGGCGGGCGCTGAGCACGGTGCTGTTCAACGACGGGG
CGTCGTGCGGGCAGTGCTACCGGATCATGTGCGACTACCAGGCGGACAGGCGGTT
CTGCATCTCCGGCACGTCCGGTGACCATCACGGCGACCAACCTCTGCCCGCCGAAC
TACGCGCTCCCCAACGACGCCGGCGGGTGGTGCAACCCGCCGCGGCAGCACTTCG
ACATGGCCGAACCGGCGTGGCTCAAGATCGGCGTCTACGTCCGGCGGCATCGTGCC
GGTGATGTACCAGCGGGTGCCGTGCGCCAAGCAGGGCGGGGTGAGGTTACCCAT
CAACGGCAGGGACTACTTCGAGCTGGTGCTCGTCTCCAACGTCGGCGGGCGTCCGGC
TCCATCCAGTCGGTGTCGATCAAGGGGTGAGGACCGGGTGGATGGCCATGTCCA
GGAATTGGGGCGTCAACTGGCAGTCCAACGCCTACCTCGACGGCCAGAGCCTGTC
GTTCAAGGTCACCAGCAGCGACGGCCAGACGCTCACCTTCCTCGACGTCGCCCCG
GCGGGCTGGACGTTCCGGCCAGACCTTCTCGACCTCACAGCAGTTCTCTTAAGTAA
TTAAATATTAATGAGTTATTACTGGTCCATTCATATATGTGTTTAATTCCGAGCGT
ATATTATCATCGGCGTCCGGCGTGTAAGACTAAAGATATATTACTAGTAGCTGTT
TGGGTTGCCACAAGTTTGGAGCATGCGCGCACAAGTGTTTGGTGTGGCGAGCTA
TATATATGATTTGCAAGCTAAGGACACCTGCTTTTTTCAATGCGAATTAACCGG
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GTAACGACCACACAAGGAGTTTTCACTTTCCTGAACTATTACTGTCCATAGTTTCG
TCCATCTGATTGGCTAAAAATA