IDENTIFICATION

Species: *Oryza sativa*

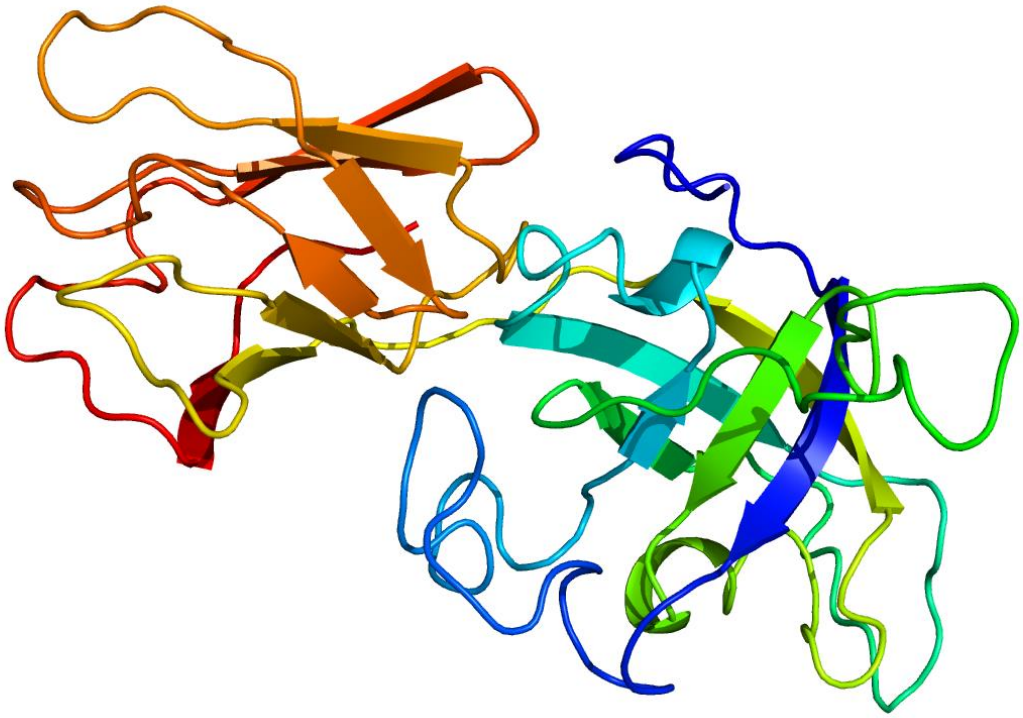
Locus: LOC_Os03g06010

Gene Model: LOC_Os03g06010.1

Description: OstEXPA-13

Family: Alpha Expansin

3D structure:



GENOME DATABASES

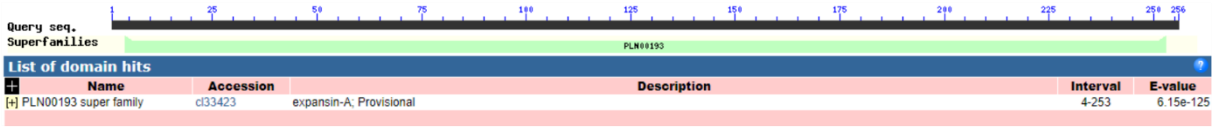
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0
KEGG: https://www.genome.jp/entry/T01015

EXTERNAL RESOURCES

http://rice.uga.edu/

GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-13

MEYAILFATSLVITVLAASGFAPAHGWNKGTATFYGGADASGTMGGACGYGNLYTA
GYGTNTAALSSVLFNDGWSCGQCYLIMCDAAATPQWCRAGAAVTITATNLCPPNW
ALPSNSGGWCNPPRPHFDMAEPAWLQIGIYKAGIIPVLYQQVKCWRQGGIRFTMGGF
NFFELVLVSNVAGSGSVRSVSVKGGSTGWITLNRNWGANWQCNSGLVGQALSFAVT
STGGQTLYIYNVVPSWWSFGMTFTSNQQFSY*

CDS (coding sequence)

>OstEXPA-13

ATGGAGTACGCGATCTTATTCGCCACGTCGTTGGTGATCACCGTGCTAGCAGCAT
CCGGCTTCGCGCCGGCGCATGGCTGGAACAAAGGGACGGCGACGTTCTACGGCG
GCGCCGACGCCTCCGGCACGATGGGTGGCGCGTGCGGGTACGGGAACCTGTACA
CGGCGGGGTACGGGACGAACACGGCGGCGCTGAGCTCGGTGCTGTTCAACGACG
GGTGGTCGTGCGGGCAGTGCTACCTGATCATGTGCGACGCCGCCGCGACGCCGCA
GTGGTGCAGGGCGGGCGCCGCGGTGACCATCACGGCCACCAACCTGTGCCCGCC
CAACTGGGCTCTCCCCAGCAACAGCGGCGGCTGGTGCAACCCGCCCCGCCCTCAC
TTCGACATGGCCGAGCCCGCCTGGCTCCAGATCGGCATCTACAAGGCCGGCATCA
TCCCCGTCCTCTACCAACAGGTGAAGTGCTGGAGGCAGGGAGGGATCAGGTTCAC
GATGGGAGGGTTCAACTTCTTCGAGCTGGTGCTGGTGTCGAACGTGGCGGGGAGC
GGGTCGGTGAGGTCGGTGTCGGTGAAGGGGGGAAGCACGGGGTGGATCACGCTG
AACCGGAACTGGGGCGCCAACTGGCAGTGCAACTCGGGGCTCGTCGGCCAGGCG
CTCTCCTTCGCCGTCACATCCACCGGCGGCCAGACGCTCTACATCTACAACGTCGT
GCCCAGCTGGTGGAGCTTCGGCATGACATTCACCAGCAACCAGCAGTTCAGTTAT
TAG

Nucleotide

>OstEXPA-13

ATGGAGTACGCGATCTTATTCGCCACGTCGTTGGTGATCACCGTGCTAGCAGCAT
CCGGCTTCGCGCCGGCGCATGGCTGGAACAAAGGGACGGCGACGTTCTACGGCG
GCGCCGACGCCTCCGGCACGATGGGTACGTAAGAAAACCTTTGGTGCTCTATCAA
CTACGGAGTGCTACGAATCTGTCATTGCGTTGTCAGTGTTTCTCACGGAGACCTGC
TGCTGTGTGACTCTGTGTGTTCAGGTGGCGCGTGCGGGTACGGGAACCTGTACAC

GGCGGGGTACGGGACGAACACGGCGGCGCTGAGCTCGGTGCTGTTCAACGACGG
GTGGTCGTGCGGGCAGTGCTACCTGATCATGTGCGACGCCGCCGCGACGCCGCAG
TGGTGCAGGGCGGGCGCCGCGGTGACCATCACGGCCACCAACCTGTGCCCGCCC
AACTGGGCTCTCCCCAGCAACAGCGGCGGCTGGTGCAACCCGCCCCGCCCTCACT
TCGACATGGCCGAGCCCGCCTGGCTCCAGATCGGCATCTACAAGGCCGGCATCAT
CCCCGTCCTCTACCAACAGTAAGTACTTACAGTGTATTACAACTAGTAGTAATCC
GTAATTACTGCTCTTAAGTACATTCTAACATGTTAATTTCAAACGGATGAACGGTT
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TTAAACACCTATACCTAATTGATGTGTAGGGTGAAGTGCTGGAGGCAGGGAGGG
ATCAGGTTCACGATGGGAGGGTTCAACTTCTTCGAGCTGGTGCTGGTGTCGAACG
TGGCGGGGAGCGGGTCGGTGAGGTCGGTGTCGGTGAAGGGGGGAAGCACGGGGT
GGATCACGCTGAACCGGAACTGGGGCGCCAACTGGCAGTGCAACTCGGGGCTCG
TCGGCCAGGCGCTCTCCTTCGCCGTCACATCCACCGGCGGCCAGACGCTCTACAT
CTACAACGTCGTGCCCAGCTGGTGGAGCTTCGGCATGACATTCACCAGCAACCAG
CAGTTCAGTTATTAGCAGGGAGAGGAATTTGTTCGTCTGCATGATCTCAAGCTGG
GAAATTAATT