

IDENTIFICATION

Species: *Oryza sativa*

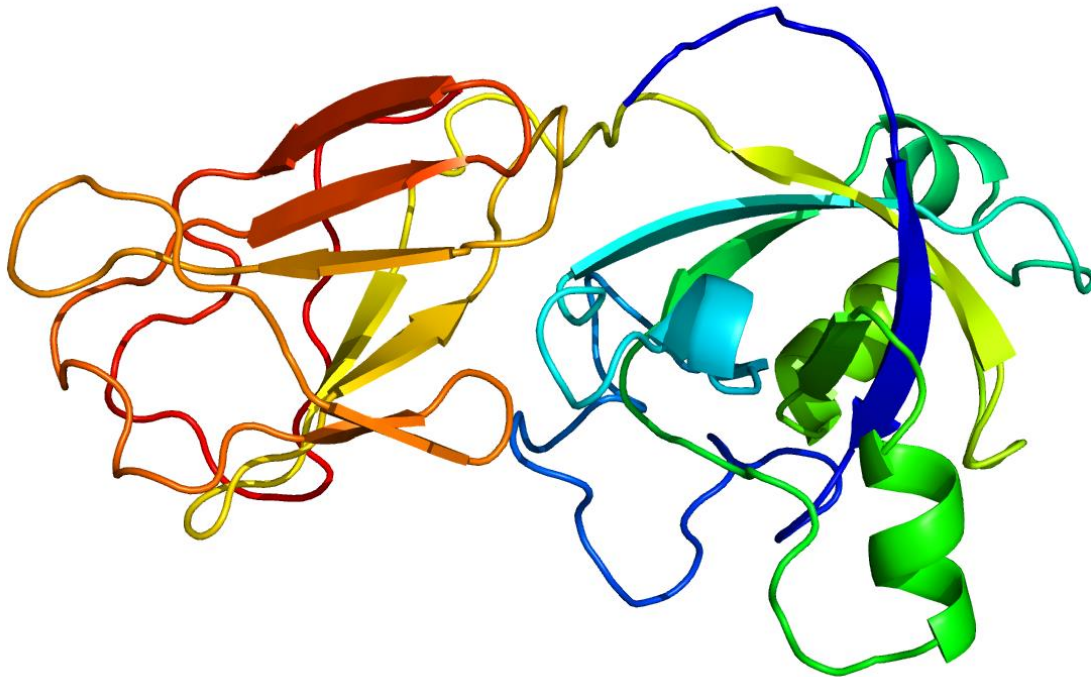
Locus: LOC_Os03g06040

Gene Model: LOC_Os03g06040.1

Description: OstEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

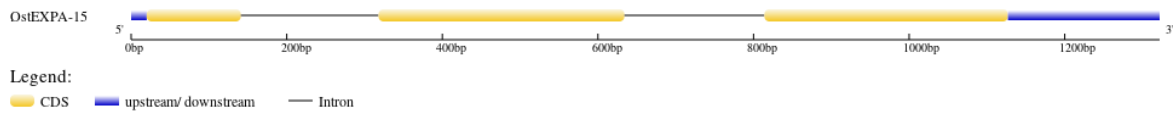
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

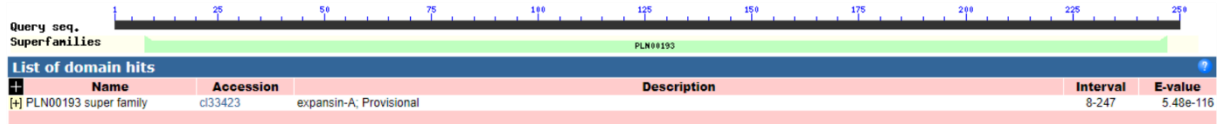
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-15

MGNIVLQLLAILALCIAPARSGWLQGTATFYGGADGSGTMGGACGYGNLYDQGYGI
NNAALSTPLFNNGASCQCYLICNYDKAPSGCRMGTAITVTGTNFCPPNYDLPGG
WCNTTRPHFDMSQPAWENIGIYSAGIVPILYQQVKCWRSSGGVRFITITGLNYFELVLVT
NMAGSGSIASMSVKGSSTGWIQMSRNWGANWQCLAGLAGQALSFTVTSTGGQTIFF
DSVVPAGWSFGQTFSTYQQFDY*

CDS (coding sequence)

>OstEXPA-15

ATGGGGAACATTGTCCTGCAGCTGCTCGCGATTCTTGCACTCTGCATTGCACCGG
CGAGGTCCGGCTGGCTCCAGGGCACCGCCACGTTCTACGGCGGGCGCCGACGGCTC
CGGCACCATGGGTGGTGCCTGCGGGTACGGGAATCTGTACGACCAGGGCTACGG
CATCAACAACGCGGGCGCTGAGCACGCCACTGTTCAACAACGGGGCGTTCGTGCGG
GCAATGCTACCTCATCATCTGCAACTACGACAAGGCGCCAGCGGGTGCAGGATG
GGCACGGCGATCACCGTGACGGGCACCAACTTCTGCCCGCCCAACTATGACCTCC
CCTACGGCGGCTGGTGCAACACGACCCGCCCTCACTTCGACATGTCCAGCCCGC
CTGGGAGAACATTGGCATCTACAGCGCTGGCATCGTCCCGATTCTTACCAACAG
GTGAAGTGCTGGAGAAGTGGGGGAGTGAGATTCACCATCACCGGGTTGAACTAC
TTCGAGCTGGTGTGGTGACGAACATGGCCGGGAGCGGGTTCGATCGCGAGCATGT
CGGTGAAGGGCTCAAGCACGGGGTGGATTTCAGATGTCGAGGAATTGGGGCGCCA
ATTGGCAGTGTCTCGCCGGACTGGCTGGTCAGGCGCTCAGTTTCACCGTACCTC
CACCGGCGGCCAGACCATCGTCTTCGACAGCGTTCGTGCCGGCGGGGTGGTTCGTT
GGGCAAACCTTCAGCACCTACCAGCAGTTCGACTACTAA

Nucleotide

>OstEXPA-15

AGCTATAGCTACAGGAAATCATGGGGAACATTGTCCTGCAGCTGCTCGCGATTCT
TGCACTCTGCATTGCACCGGCGAGGTCCGGCTGGCTCCAGGGCACCGCCACGTT
TACGGCGGGCGCCGACGGCTCCGGCACCATGGGTACGTCGTCGTCGTTACTCCAT
TTCCTCTCGCATCGCATTGTGTCAACCATTGCACGGCAATGCATCATGCATAA
TGCAAGACACAATCTGATGGAATATATATGTTGGAACAAGTGCATATGGGATGGT
CTCGATGGGATTAACCGCTGATGTGCATATGTGTGCAAACAGGTGGTGCCTGCGG

