

IDENTIFICATION

Species: *Oryza sativa*

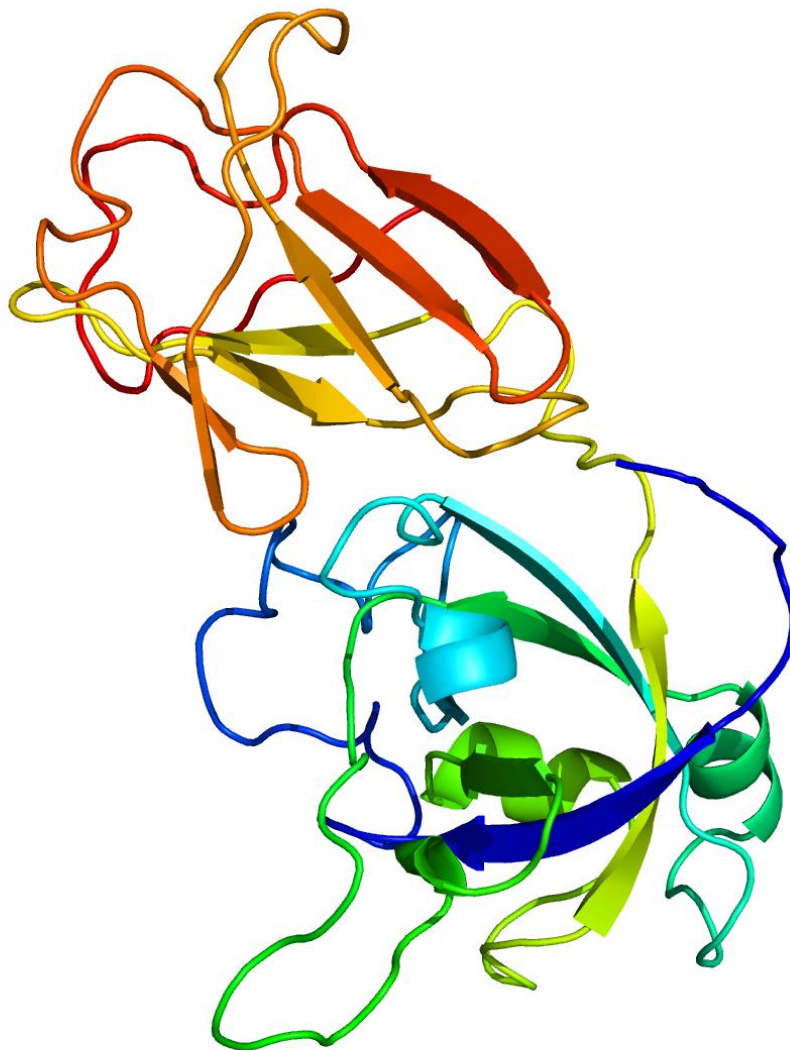
Locus: LOC_Os03g06050

Gene Model: LOC_Os03g06050.1

Description: OstEXPA-16

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>

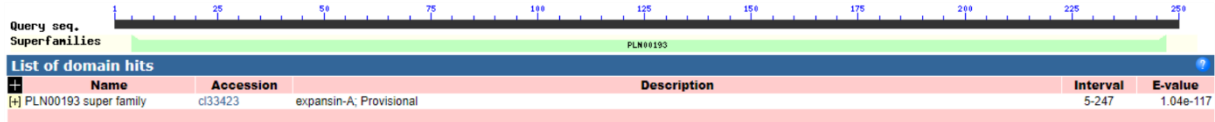
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-16

MGNIFLQLLAVVALCIAPARSDWLPGTATFYGGADGSGTMGGACGYGNLYDQGYGI
NNAALSTPLFNDGASCGQCYLIICDYSKAPDWCKLGKAITVTGTNYCPPNYDLPGG
WCNATRPHFDMSQPAWENIGIYNAGIIPILYQQVKCWRYGGVRFINGFNYPFELVLV
TNMAGSGSIASMSVKGSGCTGWIQMTRNWGANWQCLAGLAGQALSFNVTSTGGQTI
VFDDAVPAGWSFGQTFSTYHQFDY*

CDS (coding sequence)

>OstEXPA-16

ATGGGGAACATTTTCCTGCAGCTGCTCGCCGTTGTTGCACTCTGCATTGCACCGGC
GAGGTCGGACTGGCTCCCGGGCACCGCCACGTTCTACGGCGGGCGCCGACGGCTCC
GGCACCATGGGTGGTGCGTGCGGGTACGGGAACCTGTACGACCAGGGGTACGGC
ATCAACAACGCAGCGCTGAGCACGCCGCTGTTCAACGACGGCGCGTCTGCGGG
CAGTGCTACCTCATCATCTGCGACTACAGCAAGGCGCCGACTGGTGCAAGCTCG
GCAAGGCGATCACCGTGACGGGCACCAACTACTGTCCGCCCAACTATGACCTCCC
ATACGGCGGCTGGTGCAACGCTACCCGCCCTCACTTCGACATGTCCCAACCTGCC
TGGGAGAACATTGGCATCTACAACGCCGGCATCATCCCCATCCTCTACCAACAGG
TGAAGTGCTGGAGGTACGGGGGCGTGAGGTTCAACGGGTTCAACTACTT
CGAGCTGGTGCTGGTGACCAACATGGCCGGGAGCGGGTTCGATCGCGAGCATGTC
GGTGAAGGGGTCATGCACGGGGTGGATCCAGATGACGAGGAATTGGGGCGCCAA
TTGGCAGTGTCTCGCTGGACTGGCCGGACAGGCGCTCAGCTTCAATGTCACCTCC
ACCGGCGGCCAGACCATCGTCTTCGACGATGCCGTGCCGGCGGGGTGGTCTGTCG
GCCAAACATTCAGCACCTACCACCAATTCGACTACTAA

Nucleotide

>OstEXPA-16

ACAATATCTAGCTAGCTAGTTATCTAGCTTAATTACTCTCGATCGACTGCACAGGC
TCAACCTAGCTAAGAGGAAATGGGGAACATTTTCCTGCAGCTGCTCGCCGTTGTT
GCACTCTGCATTGCACCGGCGAGGTCGGACTGGCTCCCGGGCACCGCCACGTTCT
ACGGCGGGCGCCGACGGCTCCGGCACCATGGGTACGTATACGTCGTCTACTCCACA
TACGGCCCAAATGTCCGACTCACGTACGACTGAATTTGATTTATTTGATTGCCATG
GATTAACCGGATGCATGTGCGTATGTGTGCATACAGGTGGTTCGTGCGGGTACGG

GAACCTGTACGACCAGGGGTACGGCATCAACAACGCAGCGCTGAGCACGCCGCT
GTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACCTCATCATCTGCGACTACAGC
AAGGCGCCCGACTGGTGCAAGCTCGGCAAGGCGATCACCGTGACGGGCACCAAC
TACTGTCCGCCCAACTATGACCTCCCATAACGGCGGCTGGTGCAACGCTACCCGCC
CTCACTTCGACATGTCCCAACCTGCCTGGGAGAACATTGGCATCTACAACGCCGG
CATCATCCCCATCCTCTACCAACAGTAATAAGCACATTTACCGACCTGACATCTCC
TGAATTTGTATGTGTGAATTCTGAAGCGAAGCAGTACGTGTGTTGTGCTAAACCG
TTATGCTATGAATTGCAGGGTGAAGTGCTGGAGGTACGGGGGCGTGAGGTTACCC
ATCAACGGGTTCAACTACTTCGAGCTGGTGCTGGTGACCAACATGGCCGGGAGCG
GGTCGATCGCGAGCATGTCCGGTGAAGGGGTCATGCACGGGGTGGATCCAGATGA
CGAGGAATTGGGGCGCCAATTGGCAGTGTCTCGCTGGACTGGCCGGACAGGCGC
TCAGCTTCAATGTCACCTCCACCGGCGGCCAGACCATCGTCTTCGACGATGCCGT
GCCGGCGGGGTGGTCGTTCCGGCCAAACATTCAGCACCTACCACCAATTCGACTAC
TAAGCAGGGTTCAGACG