IDENTIFICATION

Species: *Oryza sativa*

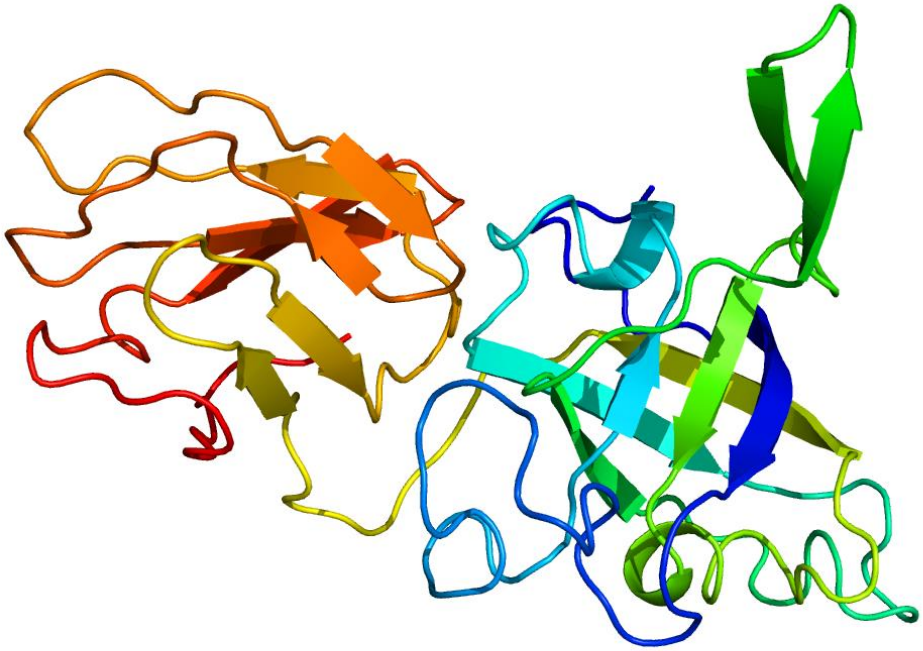
Locus: LOC_Os10g30340

Gene Model: LOC_Os10g30340.1

Description: OstEXPA-32

Family: Alpha Expansin

3D structure:



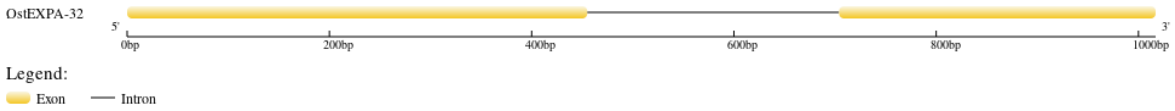
GENOME DATABASES

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

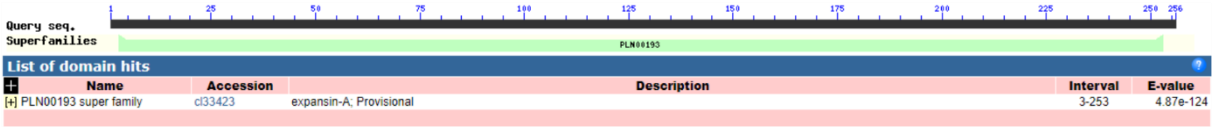
EXTERNAL RESOURCES

http://rice.uga.edu/

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-32

MMVIRFFAVLAAALCITSASAAAAGGWVSGTATFYGGKDASGTMGGACGYGNLYT
QGYGVVYNAALSTALFNGGASCGQCYLIMCDASKTPEWCKAGTAVTITATNLCPPNW
ALANDDGGWCNPPRPHFDMSQPAWETIGIYRAGIVPVLYQQVKCWRQGGVRFTVSG
FNYFELVLITNVAGSGSVQAMSVKGSKTGWIPLARNWGANWQCNSALVGQALSFRV
TSTGGQTLQINSVVPEWWEFGTTFTSNQQFDY*

CDS (coding sequence)

>OstEXPA-32

ATGATGGTGATCAGGTTCTTCGCCGTCCTGGCGGCGGCGCTGTGCATCACGTCGG
CCTCGGCTGCGGCGGCGGGCGGCTGGGTGAGCGGGACGGCGACGTTCTACGGCG
GGAAGGACGCGTCGGGGACGATGGGCGGGGCGTGCGGGTACGGGAACCTGTACA
CGCAGGGGTACGGCGTGTACAACGCGGCGCTGAGCACGGCGCTGTTCAACGGCG
GCGCGTCGTGCGGGCAGTGCTACCTCATCATGTGCGACGCCTCCAAGACCCCCGA
GTGGTGCAAGGCCGGCACCGCCGTCACCATCACCGCCACCAACCTCTGCCCCCCC
AACTGGGCCCTCGCCAACGACGACGGCGGCTGGTGCAACCCGCCCCGCCCCCACT
TCGACATGTCCCAGCCCGCCTGGGAGACCATCGGCATCTACCGCGCCGGCATCGT
CCCCGTCCTCTACCAACAGGTGAAGTGCTGGAGGCAGGGAGGGGTGAGGTTCAC
AGTCTCCGGGTTCAACTACTTCGAGCTGGTGCTCATCACCAACGTCGCCGGCAGC
GGGTCGGTGCAGGCGATGTCGGTGAAGGGGAGCAAGACGGGGTGGATACCGCTG
GCGAGGAACTGGGGCGCGAACTGGCAGTGCAACTCGGCGCTCGTCGGGCAGGCG
CTGTCGTTCCGGGTCACCTCCACCGGCGGCCAGACGCTGCAGATCAACAGCGTCG
TGCCGGAGTGGTGGGAGTTCGGGACGACCTTCACCAGCAACCAGCAGTTCGACTA
CTGA

Nucleotide

>OstEXPA-32

ATGATGGTGATCAGGTTCTTCGCCGTCCTGGCGGCGGCGCTGTGCATCACGTCGG
CCTCGGCTGCGGCGGCGGGCGGCTGGGTGAGCGGGACGGCGACGTTCTACGGCG
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CGCAGGGGTACGGCGTGTACAACGCGGCGCTGAGCACGGCGCTGTTCAACGGCG
GCGCGTCGTGCGGGCAGTGCTACCTCATCATGTGCGACGCCTCCAAGACCCCCGA

GTGGTGCAAGGCCGGCACCGCCGTCACCATCACCGCCACCAACCTCTGCCCCCCC
AACTGGGCCCTCGCCAACGACGACGGCGGCTGGTGCAACCCGCCCCGCCCCCACT
TCGACATGTCCCAGCCCGCCTGGGAGACCATCGGCATCTACCGCGCCGGCATCGT
CCCCGTCCTCTACCAACAGTAAGACACACCATAATATACCTTCTACGGTGCTCTCT
ACTGGTAGTATTAGACATCAGATTTAACTTTTCGGTTTGACCGATTGTATCGGAGG
CCACCAATAGAGTGAAATTCACGAAAAATTAAAAATTCCGGCTAAAATAATATTG
TATCGAAGGGATCCGGAATTTCTGAAATCTCAAAAATTTCAGTCTGAATTTTCCA
ACCCGTTAACGATGATGACTAAGGTCAAAATGTTATTATTACTAGGGTGAAGTGC
TGGAGGCAGGGAGGGGTGAGGTTCACAGTCTCCGGGTTCAACTACTTCGAGCTGG
TGCTCATCACCAACGTCGCCGGCAGCGGGTCGGTGCAGGCGATGTCGGTGAAGG
GGAGCAAGACGGGGTGGATACCGCTGGCGAGGAACTGGGGCGCGAACTGGCAGT
GCAACTCGGCGCTCGTCGGGCAGGCGCTGTCGTTCCGGGTCACCTCCACCGGCGG
CCAGACGCTGCAGATCAACAGCGTCGTGCCGGAGTGGTGGGAGTTCGGGACGAC
CTTCACCAGCAACCAGCAGTTCGACTACTGA